# Exhibit "C" PROJECT ESTIMATE - DETAIL

		Rec Center					
		3/20/2023					
ivision	DESCRIPTION	Location/Notes	QUANTITY	UNIT	Т	COST/UNIT	TOTAL COS
	CONCRETE		Çerari	-			
	Concrete						
	SUBCONTRACTOR BID	Thompson Concrete	1.0	LSUM	\$	2,144,342.00	\$ 2,144
	4" SOG	Pool Deck	7,641.0	SQFT	\$	6.71	Inc. Above
	4" SOG		45,476.0	SQFT	\$	6.71	Inc. Above
	Elevated Decks	Slab on Metal Deck - Second Floor / Mezz / Rooftop	17,609.0	SQFT	\$	7.49	Inc. Above
	Elevated Decks	Patio		-		7.49	Inc. Above
	Foundations - Shallow	Slab on Metal Deck - Running Track Column footing - 3'-0" height x 2 x 2	6,201.0 25.0	SQFT CY	\$ \$	1.291.25	Inc. Above
	Foundations - Shallow	Column footing - 3'-8" height x 2 x 2	24.0	CY	\$	1,291.25	Inc. Above
	Foundations - Shallow	Column footing - 3'-10" height x 2 x 2	19.0	CY	\$	, -	Inc. Above
	Foundations - Shallow	Foundation wall - 6" thick x 1'-0" height	3.0	CY	\$		Inc. Above
	Foundations - Shallow	Foundation wall - 6" thick x 1'-8" height	14.0	CY	\$		Inc. Above
	Foundations - Shallow	Foundation wall - 6" thick x 1'-10" height	9.0	CY	\$		Inc. Above
	Foundations - Shallow	Foundation wall - 16" thick x 1'-0" height	16.0	CY	\$		Inc. Above
	Foundations - Shallow	Foundation wall - 16" thick x 1'-8" height	48.0	CY	\$	1,007.18	Inc. Above
	Foundations - Shallow	Foundation wall - 16" thick x 1'-10" height	14.0	CY	\$	1,007.18	Inc. Above
	Foundations - Shallow	Column pad - F40	13.0	CY	\$	1,136.30	Inc. Above
	Foundations - Shallow	Column pad - F50	22.0	CY	\$	1,136.30	Inc. Above
	Foundations - Shallow	Column pad - F60	68.0	CY	\$	1,136.30	Inc. Above
	Foundations - Shallow	Column pad - F70	85.0	CY	\$	1,136.30	Inc. Above
	Foundations - Shallow	Column pad - F80	41.0	CY	\$	1,136.30	Inc. Above
	Foundations - Shallow	Column pad - F90	27.0	CY	\$	1,136.30	Inc. Above
	Foundations - Shallow	Continuous footing - WF20	58.0	CY	\$	878.05	Inc. Above
	Foundations - Shallow	Continuous footing - WF26	89.0	CY	\$	878.05	Inc. Above
	Foundations - Shallow	Continuous footing - WF30	83.0	CY	\$		Inc. Above
	Foundations	Elevator Pit	1.0	LSUM	\$	15,495.00	Inc. Above
	Walls	Pool Equipment Room Walls	19.0	CY	\$	1,291.25	Inc. Above
	Pool Pit Waterproofing		1.0	LSUM	\$	103,300.00	Inc. Above
SU	Elevator Pit Waterproofing 4" SOG		1.0 15,167.0	LSUM	\$ \$	5,165.00 6.00	Inc. Above Inc. Above
)SU	Foundations - Shallow	Column footing - 3'-0" height x 2 x 2	15,167.0	SQFT CY	\$	1,250.00	Inc. Above
SU	Foundations - Shallow	Column footing - 3'-8" height x 2 x 2	7.0	CY	₽ \$	1,250.00	Inc. Above
SU	Foundations - Shallow	Foundation wall - 6" thick x 1'-8" height	11.0	CY	\$	975.00	Inc. Above
SU	Foundations - Shallow	Column pad - F80	70.0	CY	\$	1,100.00	Inc. Above
SU	Foundations - Shallow	Column pad - F90	9.0	CY	\$	1,100.00	Inc. Above
SU	Foundations - Shallow	Column pad - F100	49.0	CY	\$	1,100.00	Inc. Above
SU	Foundations - Shallow	Continuous footing - WF20	31.0	CY	\$	850.00	Inc. Above
SU	Foundations - Shallow	Continuous footing - WF30	26.0	CY	\$	850.00	Inc. Above
	Adjustment - SOMD Total SF		1.0	LSUM	\$	(25,496.00)	\$ (25
	Recessed Slab Areas	ALLOWANCE	28,050.0	SQFT	\$	3.50	\$ 98
	Slab on Metal Deck Opening Protection During Pours		1.0	LSUM	\$	30,000.00	\$ 30
	Slab Protection (Ram Board or Similar)		1.0	LSUM	\$	20,000.00	\$ 20
						SUB-TOTAL	\$ 2,267
	METALS						
	Metals						
	SUBCONTRACTOR BID	Foundation Steel	1.0	LSUM	\$	4,623,800.00	\$ 4,623
	Beam	W12x14	70.9	TON	\$	6,198.00	Inc. Above
	Beam	W14x22	17.3	TON	\$	6,198.00	Inc. Above
	Beam	W16x26	10.7	TON	\$	6,198.00	Inc. Above
	Beam Beam	W16x31 W18x35	0.4 26.7	TON TON	\$ \$	6,198.00 6,198.00	Inc. Above Inc. Above
	Beam	W18x50	12.0	TON	\$	6,198.00	Inc. Above
	Beam	W16X50 W21x44	5.1	TON	\$	6,198.00	Inc. Above
	Beam	W21x44 W21x50	12.1	TON	\$ \$	6,198.00	Inc. Above
	Beam	W21x30 W24x131	12.1	TON		6,198.00	Inc. Above
	Beam	W24x176	57.3	TON	\$	6,198.00	Inc. Above
	Beam	W24x192	22.6	TON	\$	6,198.00	Inc. Above
	Beam	W24x229	40.8	TON	\$	6,198.00	Inc. Above
	Beam	W24x55	35.4	TON	\$	6,198.00	Inc. Above
	Beam	W24x76	7.3	TON	\$	6,198.00	Inc. Above
	Beam	W24x84	26.1	TON	\$	6,198.00	Inc. Above
	Column	W10x45	10.8	TON	\$	6,198.00	Inc. Above
	Column	W10x45 - low roof	4.0	TON	\$	6,198.00	Inc. Above
			24.2		+	6 400 00	Torra Alexandr
	Column	W12x152	24.3	TON	\$	6,198.00	Inc. Above
	Column Column	W12x152 W12x190	24.3 170.2	TON	\$	6,198.00 6,198.00	Inc. Above

		Rec Center					
		3/20/2023					
Division	DESCRIPTION	Location/Notes	QUANTITY	UNIT	COST/UNIT	TO.	TAL COST
	Roof Decking		53,836.0	SQFT	\$ 5.68	Inc. A	bove
OSU	Beam	W12x14	4.7	TON	\$ 6,000.00	Inc. A	bove
OSU	Beam	W14x22	7.0	TON	\$ 6,000.00	Inc. A	bove
OSU	Beam	W16x26	26.9	TON	\$ 6,000.00	Inc. A	bove
OSU	Beam	W18x35	12.5	TON	\$ 6,000.00	Inc. A	bove
OSU	Beam	W18x40	18.2	TON	\$ 6,000.00	Inc. A	bove
OSU	Beam	W24x55	10.4	TON	\$ 6,000.00	Inc. A	bove
OSU	Column	W10x49	25.1	TON	\$ 6,000.00	Inc. A	bove
OSU	Floor Decking		14,815.0	SQFT	\$ 6.00	Inc. A	bove
osu	Roof Decking		14,907.0	SQFT	\$ 5.50	Inc. A	bove
	Missing Steel	ALLOWANCE	1.0	LSUM	\$ 150,000.00	\$	150
	Temporary Enclosures		1.0	LSUM	\$ 40,000.00	\$	40
	BIM Coordination		1.0	LSUM	\$ 30,000.00	\$	30,
					SUB-TOTAL	\$	4,843
	ROOFING						
	Roofing						
	SUBCONTRACTOR BID	Hittle Roofing	1.0	LSUM	\$ 2,516,875.00	\$	2,516
OSU	Metal Roofing		17,519.0	SQFT	\$ 22.79	Inc. B	
OSU	Sheet Metals		1.0	LSUM	\$ 15,000.00	Inc. B	
	EPDM Roofing		25,470.0	SQFT	\$ 22.73	Inc. B	
	Metal Roofing		54,715.0	SQFT	\$ 36.16	Inc. B	
	Sheet Metals / Coping Caps		1.0	LSUM	\$ 25,825.00	Inc. B	
	Walkway Pads	To East Mechanical Penthouse	1.0	LSUM	\$ 2,500.00		2
	Wood Blocking		1.0	LSUM	\$ 50,000.00		50
	Roof Access / Safety Coordination / Temp Railings		1.0	LSUM	\$ 25,000.00		25
	Dumpsters		1.0	LSUM	\$ 40,000.00	\$	40
					SUB-TOTAL	\$	2,634

\*NOTE: Quantities and unit prices above are approximate for budgetary purposes only. These quantities & unit prices are not to be used as a basis for change orders.

# Exhibit "C" PROJECT ESTIMATE - DETAIL

		Pavilion Bldg					
	I programma I	3/20/2023	LOUANTTTY			COCT (UNIT	
ision	DESCRIPTION  CONCRETE	Location/Notes	QUANTITY	UNIT		COST/UNIT	TOTAL CO
	Concrete						
	SUBCONTRACTOR BID	Thompson Concrete	1.0	LSUM	\$	773,949.00	\$ 773
	4" SOG		2,225.0	SQFT	\$	6.70	Inc. Above
	Foundations - Shallow		2,225.0	SQFT	\$	10.30	Inc. Above
	Heavy Duty Concrete	8" Thick	5,615.0	SQFT	\$	15.45	Inc. Above
	Standard Duty Concrete	4" Thick	45,681.0	SQFT	\$	6.18	Inc. Above
	Concrete Curb		6,386.0	LNFT	\$	20.60	Inc. Above
	Bollard Fill & Set		8.0	EACH	\$	154.50	Inc. Above
	Concrete Seat Wall		25.0 25.0	CY	\$	669.50	Inc. Above
	Concrete Seat Wall Foundations		25.0 8.0	CY EACH	\$ \$	772.50 515.00	Inc. Above Inc. Above
	Dumpster Enclosure Bollards		1.0	LSUM	\$		
	Interior / Exterior Backfill of Foundations		1.0	LSUM	Þ	10,000.00	\$ 10
						SUB-TOTAL	\$ 783
	MASONRY Masonry						
	SUBCONTRACTOR BID	Valentine Masonry	1.0	LSUM	\$	190,000.00	\$ 190
	CMU - Exterior Walls	Split Face Finish	1,165.0	SQFT	\$	41.20	Inc. Above
	CMU - 8"	Interior Walls	1,598.0	SQFT	\$	22.66	Inc. Above
	CMU - 6"	Interior Walls	1,034.0	SQFT	\$	22.66	Inc. Above
	Stone Water Table		658.0	SQFT	\$	56.65	Inc. Above
	Stone Cap		16.0	SQFT	\$	77.25	Inc. Above
	Setting HM Door Frames		1.0	LSUM	\$	5,000.00	
	Daily Jobsite Clean-Up / Temp Labor		1.0	LSUM	\$	15,000.00	\$ 1!
						SUB-TOTAL	\$ 210
	CARPENTRY						
	Carpentry SUBCONTRACTOR BID	Interior Supply / T7 (Doors/Frames/Hardware)	1.0	LSUM	\$	57,626.00	\$ 57
	SUBCONTRACTOR BID	Interior Supply (Div. 10 Specialties - Materials)	1.0	LSUM	\$	29,000.00	•
	SUBCONTRACTOR BID	WF Bolin (Painting)	1.0	LSUM	\$	41,850.00	-
	HM Doors / Frames / Hardware / Install	20 (. 2	12.0	EACH	\$	3,090.00	Inc. Above
	Exposed Ceilings		376	SQFT	\$	1.03	Inc. Above
	Gyp Ceilings		1,762	SQFT	\$	1.55	Inc. Above
	Misc. Building Painting		2,225	SQFT	\$	3.09	Inc. Above
	Caulking		2,225.0	SQFT	\$	0.52	Inc. Above
	Toilet Partition - Single		13.0	EACH	\$	1,545.00	Inc. Above
	Toilet Partition - HC		2.0	EACH	\$	2,575.00	Inc. Above
	Urinal Screen		4.0	EACH	\$	360.50	Inc. Above
	Roof Joists & Misc. Framing	ALLOWANCE	2,225.0	SQFT	\$	50.00	\$ 11
	Exterior Sheathing / Vapor Barrier / Rigid Insulation		2,025.0	SQFT	\$	12.50	\$ 2
	Fiber Cement Siding	ALLOWANCE	2,025.0	SQFT	\$	30.00	
	Exterior Soffit	ALLOWANCE	2,775.0	SQFT	\$	12.50	
	Gyp Ceilings		1,975.0	SQFT	\$	10.00	
	ACT Ceilings		250.0	SQFT	\$	5.00	
	Polished Concrete		2,225	SQFT	\$	4.00	•
	Installation - Div. 10		1.0	LSUM	\$	10,000.00	
	Final Cleaning		1.0	LSUM	\$	10,000.00	
	Finish / Punch Out Protection		1.0	LSUM	\$	7,500.00	\$
	POSTANG					SUB-TOTAL	\$ 41
	ROOFING Roofing						
	SUBCONTRACTOR BID	Hittle Roofing	1.0	LSUM	\$	135,375.00	\$ 13
	Standing Seam Metal Roof	-	3,154.0	SQFT	\$	30.90	
	Gutters		76.0	LNFT	\$	15.45	Inc. Above
			40.0	LNFT	\$	20.60	Inc. Above
	Downspouts						
	Downspouts Wood Blocking		1.0	LSUM	\$	10,000.00	
	•				\$ \$		\$ 1

		Pavilion Bldg					
		3/20/2023					
sion	DESCRIPTION	Location/Notes	QUANTITY	UNIT		COST/UNIT	TOTAL COS
	PLUMBING						
Plumbir							
	NTRACTOR BID	Accurate Mechanical	1.0	LSUM	\$	224,207.00	
_	Fountain & Bottle Filler	Site	2.0	EACH	\$		Inc. Above
	Fountain & Bottle Filler	Bldg	2.0	EACH	\$	3,605.00	
Sinks			12.0	EACH	\$	3,605.00	
Toilets			17.0	EACH	\$	4,635.00	
Urinals			5.0	EACH	\$	4,635.00	
	rdination		1.0	LSUM	\$	10,000.00	\$ 10,
Final Cle	aning of Piping & Equipment		1.0	LSUM	\$	5,000.00	\$ 5,
						SUB-TOTAL	
	HVAC						
HVAC							
	NTRACTOR BID	Accurate Mechanical	1.0	LSUM	\$	61,150.00	\$ 61,
HVAC			2,225.0	SQFT	\$		Inc. Above
	rdination		1.0	LSUM	\$	10,000.00	\$ 10,
Final Cle	aning of Duct & Equipment		1.0	LSUM	\$	5,000.00	\$ 5,
						SUB-TOTAL	\$ 76
	ELECTRICAL						
Electric		015	4.0	1.61.04	_	4 502 760 00	
	NTRACTOR BID	SME	1.0	LSUM	\$	1,583,760.00	
Electrica		Provide to Construction	2,225.0	SQFT	\$	29.87	Inc. Above
Access C		Rough-in Support Only	2,225.0	GSF	\$	6.94	Inc. Above
Security		Rough-in Support Only	2,225.0	GSF	\$	11.57	Inc. Above
Wifi Syst		Rough-in Support Only	2,225.0	GSF	\$	18.52	
_	ound Electrical		3,169.0	LNFT	\$	206.00	Inc. Above
	ound Technology		3,160.0	LNFT	\$	154.50	
Light Pol			31.0	EACH	\$	4,635.00	
	ports Lighting Package		6.0	EACH	\$	50,000.00	\$ 300,
	rdination		1.0	LSUM	\$	10,000.00	
	ary Electric Service		1.0	LSUM	\$	40,000.00	\$ 40,
Haul spo	ils offsite		1.0	LSUM	\$	40,000.00	\$ 40,
						SUB-TOTAL	\$ 1,973
	VOLTAGE SYSTEMS / AV & TECHNOLOGY						
	Itage Systems / AV & Technology						
	NTRACTOR BID	SUBCONTRACTOR NAME	1.0	LSUM	\$	-	\$
			1.0	LSUM	\$	-	Excluded
Wifi Syst	oling		1.0	LSUM	\$	-	Excluded
Data Cal				LSUM	\$		Excluded
Data Cal Security	•		1.0			-	
Data Cal	Controls		1.0 1.0 1.0	LSUM LSUM	\$ \$	-	Excluded Excluded

\*NOTE: Quantities and unit prices above are approximate for budgetary purposes only. These quantities & unit prices are not to be used as a basis for change orders.

## Exhibit "C" PROJECT ESTIMATE - DETAIL

			Site Estimate Detail - Athletic Complex					
DESCRIPTION			· ·					
Sports Lighting   Sports Lig	ision	DESCRIPTION	T	OUANTITY	UNIT	T	COST/UNIT	TOTAL CO
Sports Lightings				Ç				
Sports   S								
Acquisited		SUBCONTRACTOR BID	Musco	1.0	LSUM	\$	282,844.00	\$ 282
Application		Sports Lighting	Installation w/Electrical	6.0	EACH	\$	129,375.00	Inc. Above
Appliat		Protection of Turf During Install		1.0	LSUM	\$	15,000.00	\$ 15
Appliat								
Apphalt   SUBCOMPACTOR BID		ACRUME BANGMA					SUB-TOTAL	\$ 297
Subcontractors and   1,098,400,00   1,098   1,098,400,00   1,098   1,099,400,00								
Heavy Duty Aught - anghalt & remaining store   Personand Loop Road   5,677.0   57   5   13.05   Tick - Above Light Duty Asphalt - anghalt & remaining store   Parking Lots   17,264.0   57   5   77.55   17.65   Tick - Above Light Duty Asphalt - anghalt & remaining store   Parking Lots   17,264.0   57   5   77.55   17.55   Tick - Above Parking Lots   17.00   17.05			A1 Asphalt	1.0	LSUM	\$	1 098 460 00	\$ 1.098
Hanny Cluby Aughat - angithal its remaining stone   Parking Lots   1,724,0   57   \$ 1,205   Inc. Above   Parking Books   1,724,0   57   \$ 1,205   Inc. Above   Parking Blocks   1,724,0   57   \$ 1,205   Inc. Above   Parking Blocks   1,724,0   57   \$ 1,205   Inc. Above   1,724,0   57   \$ 1,205   Inc. Above   1,724,0   57,100			· · · · · · · · · · · · · · · · · · ·					
Light Duty Against - sayhalt & remaining stone   Parking lobs   17,254.0   57   \$ 1,275.0   10. Above Parking Sold Strying   Parking Sold Strying   561.0   Ed.   \$ 1,323.0   10. Above Parking Sold Strying   Multi-Use Trail   5,516.0   Ed.   \$ 1,023.0   10. Above Sold Strying   Sold Stryin								
Parking Blocks								
Parking Stall Stripring   Multi-Use Trail   S515,0   SFC   S   36.23   Inc. Above Mics. Stripring   Multi-Use Trail   S515,0   SFC   S   36.23   Inc. Above Mics. Stripring   Mandicap Signs   1.0   I.SIM   S   20,000.00   Inc. Above Signs   S515,000   S   S515   S515,000   Inc. Above Mics. Stripring   Stalling Stone / Touch Up   Mandicap Signs   1.0   I.SIM   S   20,000.00   S   S515   I.SIM S   S515,000   I.SIM S   S515								
Mich Dury Agrinat			Tanking 2000					
Mic. Stripping			Multi-Use Trail					
Surgeang			111111 335 11111	,				
Lame Survey of Cooling Store / Touch Up   1.0   LSUM   \$ 10,000.00   \$ 1.1			Handicap Signs					
Surveying / Stacking - Trial   Sub-Total		= =	Transcap organi	1.0	LSUM		30.000.00	
Landscaping   SUB-TOTAL   \$ 1,145								
Landscaping   SUBCONTRACTOR BID   Greenscape   1.0   LSUM   \$ 392,753,000   Inc. Above   1.0   LSUM   \$ 20,000,000   \$ 20,000   Inc. Above   1.0   LSUM   \$ 20,000,000		, ,, ,				7	-,	
SUBCONTRACTOR BID   Greenscape   1.0   LSUM   \$ 967,923.00   \$ 967.000							SUB-TOTAL	\$ 1,143
SUBCONTRACTOR BID   Greenscape								
Imagin							067.000.5	
Bio-Retention Mantings 2-4" Depth   1 3,06%   1 5								
Trees - ND		-	Per Irrigation Consultant					
Landscaping Pexkogne   Lawn, Mulches, Topsoils, Shrubs, Plantings   1.0   LSUM \$ 1,14,000.00   Enc. Above   Little Receptacles   2.0   EACH \$ 1,517.50   Enc. Above   Enches   2.0   EACH \$ 1,517.50   Enc. Above   Entry Sign   Entry Sign   ALLOWANCE   1.0   LSUM \$ 20,000.00   \$ 22   Entry Sign				,				
Tables W/Chairs			Lawn Mulches Tanasila Church - Diserting					
Benches			Lawn, Mulches, Topsolls, Shrubs, Plantings				,	
Bink Racks   2.0   EACH   \$ 1,552.50   Inc. Above Score Fall Bollards   2.0   EACH   \$ 362.25   Inc. Above Score Fall Bollards   2.0   EACH   \$ 1,552.50   Inc. Above Score Fall Bollards   2.0   EACH   \$ 1,552.50   Inc. Above Score Fall Bollards   2.0   EACH   \$ 1,552.50   Inc. Above Score Fall Bollards   2.0   EACH   \$ 1,552.50   Inc. Above Score Fall Bollards   2.0   EACH   \$ 1,502.50   Inc. Above Score Fall Bollards   2.0   EACH   \$ 1,502.50   Inc. Above Score Fall Bollards   2.0   EACH   \$ 1,502.50   Inc. Above Score Fall District From Control / Maintenance / Bollards   2.0   EACH   \$ 1,502.50   Inc. Above Score Fall District From Control / Maintenance / Bollards   2.0   EACH   \$ 1,502.50   Inc. Above Score Fall District From Control / EACH   2.0   EACH   \$ 1,503.50   Inc. Above Score Fall District From Control / EACH   2.0   EACH   \$ 1,503.50   Inc. Above Score Fall District From Control / EACH   2.0   EACH   \$ 1,503.50   Inc. Above Score Fall District From Control / EACH   2.0   EACH   \$ 1,503.50   Inc. Above Score Fall District From Control / EACH   2.0   EACH   \$ 1,503.50   Inc. Above Score Fall District From Control / EACH   2.0   EACH   \$ 1,503.50   Inc. Above Score Fall District From Control / EACH   2.0   EACH   \$ 1,503.50   Inc. Above Score Fall District From Control / EACH   2.0   EACH   \$ 1,503.50   Inc. Above Score Fall District From Control / EACH   2.0   EACH   \$ 1,503.50   Inc. Above Score Fall District From Control / EACH   2.0   EACH   \$ 1,503.50   Inc. Above Score Fall District From Control / EACH   2.0   EACH   \$ 1,503.50   EACH   2.0   EACH							,	
Bike Racks   24.0   EACH   \$ 3.02.5   Inc. Above   Score Foals   Bollaries   Score Foals   Score F								
Soccer field Bollands   Socc							,	
Society   Soci								
Retring Systems				6.0	EACH		,	
Maintenance of Site During Construction (Weeding, Lawn Care, etc.)   Topsoil Stockpile Erosion Control / Maintenance / Double Handle			ALLOWANCE	1.0	LCHM			•
Lawn Care, etc.]   Topiol ISCode   Facility   Topiol ISCode			ALLOWANCE					
Topsoil Stockpile Erosion Control / Maintenance / Double Handle				1.0	LSUM	\$	25,000.00	\$ 25
Fencing   Fencing   SUB-TOTAL   \$ 1,022				1.0	LCUM		15 000 00	. 15
Petry Group		Double Handle		1.0	LSUM	Þ	15,000.00	<b>\$</b> 15
Petty Group							CUP TOTAL	4 4 027
Fencing   SUBCONTRACTOR BID   Petty Group   1.0		FENCING					SUB-TUTAL	\$ 1,027
Wood Guardrail   1,296.0   LNFT   \$ 119.03   Inc. Above Chain Link Fence   4'Tall   1,717.0   LNFT   \$ 31.05   Inc. Above Chain Link Fence   Gates - Double   2.0   EACH   \$ 2,587.50   Inc. Above Dumpster Enclosure Fence   Gates - Double   61.5   LNFT   \$ 258.75   Inc. Above Dumpster Enclosure Fence   Ferential Enclosure Ferential Encl								
Chain Link Fence   A'Tall   1,717.0   LNFT   \$ 31.05   Inc. Above Chain Link Fence   Gates - Double   2.0   EACH   \$ 2,587.50   Inc. Above Dumpster Enclosure Fence   61.5   LNFT   \$ 25.87.5   Inc. Above Pre-Installation of Sleeves in Curb / Coordination   1.0   LSUM   \$ 5,000.00   \$ 5.5		SUBCONTRACTOR BID	Petty Group	1.0	LSUM	\$	103,060.00	\$ 103
Chain Link Fence   Gates - Double   2.0   EACH   \$ 2,587.50   Inc. Above Dumpster Enclosure Fence   61.5   LNFT   \$ 258.75   Inc. Above Pre-Installation of Sleeves in Curb / Coordination   \$ 5,000.00   \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		Wood Guardrail		1,296.0	LNFT	\$	119.03	Inc. Above
Dumpster Enclosure Fence   Fre-Installation of Sleeves in Curb / Coordination   Curb / Curb		Chain Link Fence	4' Tall	1,717.0	LNFT	\$	31.05	Inc. Above
Pre-Installation of Sleeves in Curb / Coordination		Chain Link Fence	Gates - Double	2.0	EACH	\$	2,587.50	Inc. Above
Netting Systems   Petty Group   1.0		Dumpster Enclosure Fence		61.5	LNFT	\$	258.75	Inc. Above
Netting Systems   SUBCONTRACTOR BID   Petty Group   1.0   LSUM   \$ 179,960.00   \$ 1.75     Netting Systems   20' Tall Pole to Pole Netting Systems - Soccer   180.0   LNFT   \$ 155.25   Inc. Above     Netting Systems   14' Tall Pole to Pole Netting Systems - Lacrosse   360.0   LNFT   \$ 155.25   Inc. Above     Netting Systems   14' Tall Pole to Pole Netting Systems - Lacrosse   360.0   LNFT   \$ 155.25   Inc. Above     Netting Systems   1.0   LSUM   \$ 2,500.00   \$ 2.500.00     SUB-TOTAL   \$ 185.25     SUB-TOTAL   \$ 185.25     SUB-TOTAL   \$ 185.25     SUB-TOTAL   \$ 185.25     Sub-CONTRACTOR BID   SCG Fields   1.0   LSUM   \$ 2,815,248.00   \$ 2,815     Sports Field Turf (Seed)   366,319.0   SQFT   \$ 0.78   Inc. Above     Sports Field Turf (Synthetic)   Pad   176,193.0   SQFT   \$ 1.55   Inc. Above     Sports Field Turf (Synthetic)   Premium to go to Organic Infill ILO Rubber Infill   176,193.0   SQFT   \$ 1.81   Inc. Above     Sports Field Turf (Synthetic)   Premium to go to Organic Infill ILO Rubber Infill   176,193.0   SQFT   \$ 1.55   Inc. Above     Sports Field Turf (Synthetic)   Premium to go to Organic Infill ILO Rubber Infill   176,193.0   SQFT   \$ 1.55   Inc. Above     Sports Field Turf (Synthetic)   Premium to go to Organic Infill ILO Rubber Infill   176,193.0   SQFT   \$ 1.55   Inc. Above     Sports Field Turf (Synthetic)   Fabric / 1"x12" Perforated Flat Panel Underdrain / Stone   176,193.0   SQFT   \$ 1.55   Inc. Above     Sports Field Turf (Synthetic)   Fabric / 1"x12" Perforated Flat Panel Underdrain / Stone   1.0   LSUM   \$ 10,000.00     Storm Cleanout   18,059.0   LNFT   \$ 20,70   Inc. Above     Storm Cleanout   18,059.0   LNFT   \$ 67.28   Inc. Above     Storm Cleanout   18,059.0   LNFT   \$ 67.28   Inc. Above     Storm Cleanout   18,059.0   LNFT   \$ 67.28   Inc. Above     Field Cleaning & Maintenance for Owner Turnover   1.0   LSUM   \$ 5,000.00   \$ 225.00     Storm Cleanout   18,059.0   LNFT   \$ 5,000.00   \$ 225.00     Storm Cleanout   18,059.0   LNFT   \$ 67.28   Inc. Above     Storm Cleanout   18,059.0		Pre-Installation of Sleeves in Curb / Coordination		1.0	LSUM	\$	5,000.00	\$ 5
Netting Systems   SUBCONTRACTOR BID   Petty Group   1.0   LSUM   \$ 179,960.00   \$ 1.75     Netting Systems   20' Tall Pole to Pole Netting Systems - Soccer   180.0   LNFT   \$ 155.25   Inc. Above     Netting Systems   14' Tall Pole to Pole Netting Systems - Lacrosse   360.0   LNFT   \$ 155.25   Inc. Above     Netting Systems   14' Tall Pole to Pole Netting Systems - Lacrosse   360.0   LNFT   \$ 155.25   Inc. Above     Netting Systems   1.0   LSUM   \$ 2,500.00   \$ 2.500.00     SUB-TOTAL   \$ 185.25     SUB-TOTAL   \$ 185.25     SUB-TOTAL   \$ 185.25     SUB-TOTAL   \$ 185.25     Sub-CONTRACTOR BID   SCG Fields   1.0   LSUM   \$ 2,815,248.00   \$ 2,815     Sports Field Turf (Seed)   366,319.0   SQFT   \$ 0.78   Inc. Above     Sports Field Turf (Synthetic)   Pad   176,193.0   SQFT   \$ 1.55   Inc. Above     Sports Field Turf (Synthetic)   Premium to go to Organic Infill ILO Rubber Infill   176,193.0   SQFT   \$ 1.81   Inc. Above     Sports Field Turf (Synthetic)   Premium to go to Organic Infill ILO Rubber Infill   176,193.0   SQFT   \$ 1.55   Inc. Above     Sports Field Turf (Synthetic)   Premium to go to Organic Infill ILO Rubber Infill   176,193.0   SQFT   \$ 1.55   Inc. Above     Sports Field Turf (Synthetic)   Premium to go to Organic Infill ILO Rubber Infill   176,193.0   SQFT   \$ 1.55   Inc. Above     Sports Field Turf (Synthetic)   Fabric / 1"x12" Perforated Flat Panel Underdrain / Stone   176,193.0   SQFT   \$ 1.55   Inc. Above     Sports Field Turf (Synthetic)   Fabric / 1"x12" Perforated Flat Panel Underdrain / Stone   1.0   LSUM   \$ 10,000.00     Storm Cleanout   18,059.0   LNFT   \$ 20,70   Inc. Above     Storm Cleanout   18,059.0   LNFT   \$ 67.28   Inc. Above     Storm Cleanout   18,059.0   LNFT   \$ 67.28   Inc. Above     Storm Cleanout   18,059.0   LNFT   \$ 67.28   Inc. Above     Field Cleaning & Maintenance for Owner Turnover   1.0   LSUM   \$ 5,000.00   \$ 225.00     Storm Cleanout   18,059.0   LNFT   \$ 5,000.00   \$ 225.00     Storm Cleanout   18,059.0   LNFT   \$ 67.28   Inc. Above     Storm Cleanout   18,059.0								
Netting Systems   SUBCONTRACTOR BID   Petty Group   1.0   LSUM   \$ 179,960.00   \$ 179,000.00							SUB-TOTAL	\$ 108
SUBCONTRACTOR BID   Petty Group   1.0								
Netting Systems   20' Tall Pole to Pole Netting Systems - Soccer   180.0   LNFT   \$ 155.25   Inc. Above			Delty Corre	1.0	LCUM		170.000.00	
Netting Systems   14' Tall Pole to Pole Netting Systems - Lacrosse   36.0   LNFT   \$ 155.25   Inc. Above   Utility & Field Underdrainage Coordination   14' Tall Pole to Pole Netting Systems - Lacrosse   1.0   LSUM   \$ 2,500.00   \$ 2.500.								
Utility & Field Underdrainage Coordination			- · ·					
SUB-TOTAL   SUB-		neuring systems	14 Tall Pole to Pole Netting Systems - Lacrosse					
SUBCONTRACTOR BID   SCG Fields   1.0   LSUM   \$ 2,815,248.00   \$ 2,815		Utility & Field Underdrainage Coordination		1.0	LOUM	*	۷,500.00	2 
SUBCONTRACTOR BID   SCG Fields   1.0   LSUM   \$ 2,815,248.00   \$ 2,815		Utility & Field Underdrainage Coordination					CUR TOTAL	\$ 182
SUBCONTRACTOR BID   SCG Fields   1.0		Utility & Field Underdrainage Coordination					SUD-IUIAL	
Sports Field Turf (Seed)         Pad         366,319.0         SQFT         \$ 0.78         Inc. Above           Sports Field Turf (Synthetic)         Pad         176,193.0         SQFT         \$ 1.55         Inc. Above           Sports Field Turf (Synthetic)         Turf w/Infill         176,193.0         SQFT         \$ 1.55         Inc. Above           Sports Field Turf (Synthetic)         Premium to go to Organic Infill ILO Rubber Infill         176,193.0         SQFT         \$ 1.55         Inc. Above           Sports Field Turf (Synthetic)         Fabric / 1"x12" Perforated Flat Panel Underdrain / Stone         176,193.0         SQFT         \$ 3.62         Inc. Above           Concrete Curb         Field Curb w/Nailer Board         2,259.0         LNFT         \$ 20.70         Inc. Above           18" Perforated Underdrain         18,059.0         LNFT         \$ 20.70         Inc. Above           18" Perforated HDPE Collector Drain         2,447.0         LNFT         \$ 67.28         Inc. Above           Storm Cleanout         12.0         EACH         \$ 517.50         Inc. Above           Storm Manhole         2.0         EACH         \$ 5,175.00         Inc. Above           Final Cleaning & Maintenance for Owner Turnover         1.0         LSUM         \$ 25,000.00         \$ 25 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>SUB-TUTAL</td> <td></td>							SUB-TUTAL	
Sports Field Turf (Synthetic) Sports Field Turf (Synthetic) Sports Field Turf (Synthetic) Turf w/Infill 176,193.0 SQFT \$ 5.18 Inc. Above 176,193.0 SQFT \$ 1.55 Inc. Above 176,193.0 SQFT \$ 3.62 Inc. Above 176,193.0 INC		FIELD SYSTEMS Landscaping						
Sports Field Turf (Synthetic)         Turf w/Infill         176,193.0         SQFT         \$ 5.18         Inc. Above           Sports Field Turf (Synthetic)         Premium to go to Organic Infill ILO Rubber Infill         176,193.0         SQFT         \$ 1.55         Inc. Above           Sports Field Turf (Synthetic)         Fabric / 1"x12" Perforated Flat Panel Underdrain / Stone         176,193.0         SQFT         \$ 3.62         Inc. Above           Concrete Curb         Field Curb w/Nailer Board         2,259.0         LNFT         \$ 20.70         Inc. Above           4" Perforated HDPE Collector Drain         18,059.0         LNFT         \$ 67.28         Inc. Above           Storm Cleanout         12.0         EACH         \$ 517.50         Inc. Above           Storm Manhole         2.0         EACH         \$ 51,75.00         Inc. Above           Final Cleaning & Maintenance for Owner Turnover         1.0         LSUM         \$ 25,000.00         \$ 25           Temporary Access Path (Fields)         50,000.00         \$ 50         50         50         50           Surveying / Layout / Utility Coordination         1.0         LSUM         \$ 25,000.00         \$ 25		FIELD SYSTEMS Landscaping SUBCONTRACTOR BID	SCG Fields				2,815,248.00	\$ 2,815
Sports Field Turf (Synthetic)         Premium to go to Organic Infill ILO Rubber Infill         176,193.0         SQFT         \$ 1.55         Inc. Above           Sports Field Turf (Synthetic)         Fabric / 1"x12" Perforated Flat Panel Underdrain / Stone         176,193.0         SQFT         \$ 3.62         Inc. Above           Concrete Curb         Field Curb w/Nailer Board         2,259.0         LNFT         \$ 20.70         Inc. Above           4" Perforated Underdrain         18,059.0         LNFT         \$ 67.28         Inc. Above           18" Perforated HDPE Collector Drain         2,4447.0         LNFT         \$ 67.28         Inc. Above           Storm Cleanout         12.0         EACH         \$ 151.50         Inc. Above           Storm Manhole         2.0         EACH         \$ 17.50         Inc. Above           Final Cleaning & Maintenance for Owner Turnover         1.0         LSUM         \$ 25,000.00         \$ 25           Temporary Access Path (Fields)         1.0         LSUM         \$ 0,000.00         \$ 51           Surveying / Layout / Utility Coordination         1.0         LSUM         \$ 25,000.00         \$ 25		FIELD SYSTEMS  Landscaping SUBCONTRACTOR BID Sports Field Turf (Seed)		366,319.0	SQFT	\$	2,815,248.00 0.78	\$ 2,815 Inc. Above
Sports Field Turf (Synthetic)         Fabric / 1"x12" Perforated Flat Panel Underdrain / Stone         176,193.0         SQFT         \$ 3.62         Inc. Above           Concrete Curb         Field Curb w/Nailer Board         2,259.0         LNFT         \$ 20.70         Inc. Above           4" Perforated Underdrain         18,059.0         LNFT         \$ 20.70         Inc. Above           18" Perforated HDPE Collector Drain         2,447.0         LNFT         \$ 67.28         Inc. Above           Storm Cleanout         12.0         EACH         \$ 517.50         Inc. Above           Storm Manhole         2.0         EACH         \$ 517.50         Inc. Above           Final Cleaning & Maintenance for Owner Turnover         1.0         LSUM         \$ 25,000.00         \$ 25           Temporary Access Path (Fields)         1.0         LSUM         \$ 50,000.00         \$ 55           Surveying / Layout / Utility Coordination         1.0         LSUM         \$ 25,000.00         \$ 25		FIELD SYSTEMS  Landscaping SUBCONTRACTOR BID Sports Field Turf (Seed) Sports Field Turf (Synthetic)	Pad	366,319.0 176,193.0	SQFT SQFT	\$	2,815,248.00 0.78 1.55	\$ 2,815 Inc. Above Inc. Above
Stone		FIELD SYSTEMS  Landscaping SUBCONTRACTOR BID Sports Field Turf (Seed) Sports Field Turf (Synthetic) Sports Field Turf (Synthetic)	Pad Turf w/Infill	366,319.0 176,193.0 176,193.0	SQFT SQFT SQFT	\$ \$ \$	2,815,248.00 0.78 1.55 5.18	\$ 2,815 Inc. Above Inc. Above Inc. Above
Concrete Curb   Field Curb w/Nailer Board   2,259.0   LNFT   \$ 20.70   Inc. Above		FIELD SYSTEMS  Landscaping SUBCONTRACTOR BID Sports Field Turf (Seed) Sports Field Turf (Synthetic) Sports Field Turf (Synthetic)	Pad Turf w/Infill Premium to go to Organic Infill ILO Rubber Infill	366,319.0 176,193.0 176,193.0	SQFT SQFT SQFT	\$ \$ \$	2,815,248.00 0.78 1.55 5.18	\$ 2,815 Inc. Above Inc. Above Inc. Above
4" Perforated Underdrain       18,059.0       LNFT       \$ 20.70       Inc. Above         18" Perforated HDPE Collector Drain       2,447.0       LNFT       \$ 67.28       Inc. Above         Storm Cleanout       12.0       EACH       \$ 51.75.0       Inc. Above         Storm Manhole       2.0       EACH       \$ 51,75.00       Inc. Above         Final Cleaning & Maintenance for Owner Turnover       1.0       LSUM       \$ 25,000.00       \$ 25         Temporary Access Path (Fields)       1.0       LSUM       \$ 50,000.00       \$ 55         Surveying / Layout / Utility Coordination       1.0       LSUM       \$ 25,000.00       \$ 25		FIELD SYSTEMS  Landscaping SUBCONTRACTOR BID Sports Field Turf (Seed) Sports Field Turf (Synthetic) Sports Field Turf (Synthetic) Sports Field Turf (Synthetic)	Pad Turf w/Infill Premium to go to Organic Infill ILO Rubber Infill Fabric / 1"x12" Perforated Flat Panel Underdrain /	366,319.0 176,193.0 176,193.0 176,193.0	SQFT SQFT SQFT SQFT	\$ \$ \$ \$	2,815,248.00 0.78 1.55 5.18 1.55	\$ 2,815 Inc. Above Inc. Above Inc. Above
18" Perforated HDPE Collector Drain         2,447.0         LNFT         \$ 67.28         Inc. Above           Storm Cleanout         12.0         EACH         \$ 517.50         Inc. Above           Storm Manhole         2.0         EACH         \$ 5,175.00         Inc. Above           Final Cleaning & Maintenance for Owner Turnover         1.0         LSUM         \$ 25,000.00         \$ 25           Temporary Access Path (Fields)         1.0         LSUM         \$ 50,000.00         \$ 55           Surveying / Layout / Utility Coordination         1.0         LSUM         \$ 25,000.00         \$ 25		FIELD SYSTEMS  Landscaping SUBCONTRACTOR BID Sports Field Turf (Seed) Sports Field Turf (Synthetic) Sports Field Turf (Synthetic) Sports Field Turf (Synthetic) Sports Field Turf (Synthetic)	Pad Turf w/Infill Premium to go to Organic Infill ILO Rubber Infill Fabric / 1"x12" Perforated Flat Panel Underdrain / Stone	366,319.0 176,193.0 176,193.0 176,193.0 176,193.0	SQFT SQFT SQFT SQFT SQFT	\$ \$ \$ \$	2,815,248.00 0.78 1.55 5.18 1.55 3.62	\$ 2,815 Inc. Above Inc. Above Inc. Above Inc. Above
Storm Cleanout         12.0         EACH         \$ 517.50         Inc. Above           Storm Manhole         2.0         EACH         \$ 5,175.00         Inc. Above           Final Cleaning & Maintenance for Owner Turnover         1.0         LSUM         \$ 25,000.00         \$ 25           Temporary Access Path (Fields)         1.0         LSUM         \$ 50,000.00         \$ 55           Surveying / Layout / Utility Coordination         1.0         LSUM         \$ 25,000.00         \$ 25		FIELD SYSTEMS  Landscaping SUBCONTRACTOR BID Sports Field Turf (Seed) Sports Field Turf (Synthetic) Sports Field Turf (Synthetic) Sports Field Turf (Synthetic) Sports Field Turf (Synthetic) Concrete Curb	Pad Turf w/Infill Premium to go to Organic Infill ILO Rubber Infill Fabric / 1"x12" Perforated Flat Panel Underdrain / Stone	366,319.0 176,193.0 176,193.0 176,193.0 176,193.0 2,259.0	SQFT SQFT SQFT SQFT SQFT LNFT	\$ \$ \$ \$ \$	2,815,248.00 0.78 1.55 5.18 1.55 3.62 20.70	\$ 2,815 Inc. Above Inc. Above Inc. Above Inc. Above Inc. Above Inc. Above
Storm Manhole         2.0         EACH         \$ 5,175.00         Inc. Above           Final Cleaning & Maintenance for Owner Turnover         1.0         LSUM         \$ 25,000.00         \$ 25           Temporary Access Path (Fields)         1.0         LSUM         \$ 50,000.00         \$ 50           Surveying / Layout / Utility Coordination         1.0         LSUM         \$ 25,000.00         \$ 25		FIELD SYSTEMS  Landscaping SUBCONTRACTOR BID Sports Field Turf (Seed) Sports Field Turf (Synthetic) Sports Field Turf (Synthetic) Sports Field Turf (Synthetic) Sports Field Turf (Synthetic) Concrete Curb 4" Perforated Underdrain	Pad Turf w/Infill Premium to go to Organic Infill ILO Rubber Infill Fabric / 1"x12" Perforated Flat Panel Underdrain / Stone	366,319.0 176,193.0 176,193.0 176,193.0 176,193.0 2,259.0 18,059.0	SQFT SQFT SQFT SQFT SQFT LNFT LNFT	\$ \$ \$ \$ \$	2,815,248.00 0.78 1.55 5.18 1.55 3.62 20.70 20.70	\$ 2,815 Inc. Above
Final Cleaning & Maintenance for Owner Turnover       1.0       LSUM       \$ 25,000.00       \$ 25         Temporary Access Path (Fields)       1.0       LSUM       \$ 50,000.00       \$ 50         Surveying / Layout / Utility Coordination       1.0       LSUM       \$ 25,000.00       \$ 25		FIELD SYSTEMS  Landscaping SUBCONTRACTOR BID Sports Field Turf (Seed) Sports Field Turf (Synthetic) Concrete Curb 4" Perforated Underdrain 18" Perforated HDPE Collector Drain	Pad Turf w/Infill Premium to go to Organic Infill ILO Rubber Infill Fabric / 1"x12" Perforated Flat Panel Underdrain / Stone	366,319.0 176,193.0 176,193.0 176,193.0 176,193.0 2,259.0 18,059.0 2,447.0	SQFT SQFT SQFT SQFT SQFT LNFT LNFT LNFT	* * * * * * *	2,815,248.00 0.78 1.55 5.18 1.55 3.62 20.70 20.70 67.28	\$ 2,815 Inc. Above Inc. Above Inc. Above Inc. Above Inc. Above Inc. Above Inc. Above
Temporary Access Path (Fields)         1.0         LSUM         \$ 50,000.00         \$ 50           Surveying / Layout / Utility Coordination         1.0         LSUM         \$ 25,000.00         \$ 25	_	Landscaping SUBCONTRACTOR BID Sports Field Turf (Seed) Sports Field Turf (Synthetic) Concrete Curb 4" Perforated Underdrain 18" Perforated HDPE Collector Drain Storm Cleanout	Pad Turf w/Infill Premium to go to Organic Infill ILO Rubber Infill Fabric / 1"x12" Perforated Flat Panel Underdrain / Stone	366,319.0 176,193.0 176,193.0 176,193.0 176,193.0 2,259.0 18,059.0 2,447.0 12.0	SQFT SQFT SQFT SQFT LNFT LNFT LNFT LNFT EACH	* * * * * * * * *	2,815,248.00 0.78 1.55 5.18 1.55 3.62 20.70 20.70 67.28 517.50	\$ 2,815 Inc. Above Inc. Above Inc. Above Inc. Above Inc. Above Inc. Above Inc. Above Inc. Above
Surveying / Layout / Utility Coordination         1.0         LSUM         \$ 25,000.00         \$         25	_	Landscaping SUBCONTRACTOR BID Sports Field Turf (Seed) Sports Field Turf (Synthetic) Sports Field Turf (Synthetic) Sports Field Turf (Synthetic) Sports Field Turf (Synthetic) Concrete Curb 4" Perforated Underdrain 18" Perforated HDPE Collector Drain Storm Cleanout Storm Manhole	Pad Turf w/Infill Premium to go to Organic Infill ILO Rubber Infill Fabric / 1"x12" Perforated Flat Panel Underdrain / Stone	366,319.0 176,193.0 176,193.0 176,193.0 176,193.0 2,259.0 18,059.0 2,447.0 12.0 2.0	SQFT SQFT SQFT SQFT LNFT LNFT LNFT LNFT EACH EACH	* * * * * * * * * * * * * * * * * * * *	2,815,248.00 0.78 1.55 5.18 1.55 3.62 20.70 20.70 67.28 517.50	\$ 2,815 Inc. Above
		FIELD SYSTEMS  Landscaping SUBCONTRACTOR BID Sports Field Turf (Seed) Sports Field Turf (Synthetic) Sports Field Turf (Synthetic) Sports Field Turf (Synthetic) Sports Field Turf (Synthetic) Concrete Curb 4" Perforated Underdrain 18" Perforated HDPE Collector Drain Storm Cleanout Storm Manhole Final Cleaning & Maintenance for Owner Turnover	Pad Turf w/Infill Premium to go to Organic Infill ILO Rubber Infill Fabric / 1"x12" Perforated Flat Panel Underdrain / Stone	366,319.0 176,193.0 176,193.0 176,193.0 176,193.0 2,259.0 18,059.0 2,447.0 12.0 2.0 1.0	SQFT SQFT SQFT SQFT LNFT LNFT LNFT EACH EACH LSUM	* * * * * * * * * * *	2,815,248.00 0.78 1.55 5.18 1.55 3.62 20.70 20.70 67.28 51.75.00 5,175.00 25,000.00	\$ 2,815 Inc. Above
		SUBCONTRACTOR BID Sports Field Turf (Seed) Sports Field Turf (Synthetic) Concrete Curb 4" Perforated Underdrain 18" Perforated HDPE Collector Drain Storm Cleanout Storm Manhole Final Cleaning & Maintenance for Owner Turnover Temporary Access Path (Fields)	Pad Turf w/Infill Premium to go to Organic Infill ILO Rubber Infill Fabric / 1"x12" Perforated Flat Panel Underdrain / Stone	366,319.0 176,193.0 176,193.0 176,193.0 176,193.0 2,259.0 18,059.0 2,447.0 12.0 2.0 1.0	SQFT SQFT SQFT SQFT LNFT LNFT LNFT EACH EACH LSUM LSUM	* * * * * * * * * * * *	2,815,248.00 0.78 1.55 5.18 1.55 3.62 20.70 67.28 517.50 5,175.00 5000.00	\$ 2,815 Inc. Above

\*NOTE: Quantities and unit prices above are approximate for budgetary purposes only. These quantities & unit prices are not to be used as a basis for change orders.

Hilliard R ATHLET	Hilliard Recreation and Wellness Center ATHLETIC FIELDS				
Activity ID	Activity Name	Orig Start Dur	Finish	2024   On Each Mart Any I May I May I In 1 to 1 t	2025 Aug Sen Oct New Dec by Eath Mar
Hilliard Recrea	Hilliard Recreation and Wellness Center ATHLETIC FIELDS				
Project Milestones	nes Issue Notice to Proceed for Athletic Fields (Grading and Site Utilities)	0 14-Mar-23		Issue Notice to Proceed for Athletic Fields (Grading and Site Utilities)	
M-1145	Mobilization / Start Construction - Athletic Fields			◆ Mobilization / Start Construction - Arthetic/Fields	
M-1080	Construction Phase Summary	374 15-Mar-23	29-Aug-24		Construction Phase Summary
M-1015	Final Inspections	5 23-Aug-24	29-Aug-24		Final Inspections
M-1110	Substantial Completion	0	29-Aug-24*		◆ Substantial Completion
Athletic Fields					
Design Phase	ent/ GMP1				
DD-1140	Submit GMP#1	0	11-Jan-23*	◆ Submit GMP#1	
DD-1150	City Council Package - 2 Weeks Prior	0 13-Jan-23		<ul> <li>City Coundi Padkage; - 2 Weeks Prior</li> </ul>	
DD-1160	City Council Meeting - Approval of GMP#1	0	23-Jan-23	◆ City Council Meeting - Approval of GMP#1	
DD-1080	Site Permit Docs 100% Complete		01-Feb-23*	◆ Sitel Permit Docs:100% Complete	
PRMT1-1000	Site Permit Application - Submit / Review / Approval	30 01-Feb-23	14-Mar-23	Ste Permit Application - Submit / Review / Approval	
Bid and Award Proc	id and Avard Process GMP 1 GMP #f (Grading and Site Utilities)				
BID-1090	Award Subcontracts Following GMP Approval - (GMP #1)	5 24-Jan-23	30-Jan-23	Award Subcontracts Following GNP Approval - (GNP #1)	
Construction Docu	Construction Documents / GMP 02 Remaining				
CD-1000	Construction Documents Complete (CD)			Coristructión Doduments Complete (ÇD)	
CD-1010	Review & Approve 100% Construction Documents (CD)		09-Feb-23		
BID-1115	Bid Padkages / Scopes of Work		14-Feb-23	Bid Packages / Scopes of Vyork	
BID-1120	Bidding Period - (GMP#2)		07-Mar-23		
BID-1110	Bid Evaluation / Scope Reviews - (GMP #2)		20-Mar-23	■ Bid Evaluation / Scope Reviews - (GMP#2)	
CD-1080	Compile GMP#2 Exhibits		14-Mar-23	■ Compile GMP#2 Exhibits	
CD-1090	Recondie GMP#2 Exhibits	-51	17-Mar-23	■ Recondile GNP#2 Exhibits	
CD-1110	City Council Package - 2 Weeks Prior	5 21-Mar-23	27-Mar-23	City Council Package - 2 Weeks Prori	
CD-1100	Submit GMP#2	0 (	21-Mar-23	◆ Subrati GMP#2	
CD-1120	City Council Meeting - Approval of GMP#72  Award Subcontrade Editorians GMD Americal - (CMD #2)	0 08 Mar. 23	27-Iviar-23	Cuty council wheeling - Approval of John ##2     Award Schröntrads Following (AMD Approval, 10 MD #2)	
	Aveal a caboard a caboard go and a caboard a c	3	07-104-1-7	)	
Long Lead Pro	Long Lead Procurement for Athletic Fields PRO-1000 Storm Structures (4 Months)	86 24-Jan-23	23-May-23	Som Strudures (4 Months)	
PRO-1030	Water Line	8	24-Apr-23	Water Line	
PRO-1020	Field Drainage	40 04-Apr-23	30-May-23	Field Drainage	
PRO-1050	Synthetic Turf		03-Aug-23		
PRO-1070	Electrical Gear - CT Cabinet & Panel Board		21-Sep-23	Electrical Gear - CT Cabinet & Panel Board	
PRO-1010	Sports Lightling		05-Dec-23	Sports Lighting	
PRO-1040	Masonry CMU		19-Jul-23	Masonly OMU	
PRO-1060	Concession Equipment	120 25-Apr-23	12-Oct-23	Chnoeskan Equipment	
Construct Athletic Fields	etic Fields				
Initial Site					
Data Date: 10-Jan-23		ard Recreation	and Wellnes	Hilliard Recreation and Wellness Center ATHLETIC FIELDS	◆ Milestone
Kun Date: 10-Jan-23	an-23	Exhib	it "D" Const	xhibit "D" Construction Schedule	
				Remaining Work	
			Dane 22 of 140	22337-CC 0.07 FIELDS	

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	Hilliard Recreation an ATHLETIC FIELDS	Hilliard Recreation and Wellness Center ATHLETIC FIELDS				
1   1   1   1   1   1   1   1   1   1		Activity Name		Finish	2023 2024	2025
10   10   10   10   10   10   10   10		A to the state of		71	Mar   Apr   May   Jun   Jul   Aug   Sep   Oct   Nov   Dec   Jan   Feb   Mar   Apr   May   Jun   Jul   Aug   Sep   Oct	
1   10,000		Secure (16e Kemoval		17-IMBIT-23		
1		Ste Clearing (Street)		06-Anr-23		
1		Original Crimera		27-Apr-23	Strip Jopes	
National State Roads   State State   State Sta		Site Sanitary		16-May-23	She Sanitary	
State   Stat		Vlass X / Import Soils & Rough Grade Site		03-Oct-23	Mass X/ Import Soils & Rough Grade Site	
12-04-12   12-04-12   13-04-12		Site Domestic Water		12-Jun-23	Site Donestic Water	
15   10-bay-22   11-bay-22		Site Storm		21-Aug-23	Site Storm	
OF Deciding Springed         15         20.00-203         15.00-203		Underground Storm Detention System (UDS)		19-Sep-23	Underground Storm Detention System (UDS)	
Control Section   Control Se		Site Topsoil Respread		17-Nov-23	Sile Topsoni Respread	 
First - First Field Drawge Sydemi (Strome Same Strong St		Site U/G Electric / Site Lighting		05-Dec-23	Site U/G Electric/ Site (Lighting	
The control base   The control	S	Stree Eiglick Install Eigld Prairons Serton / Storm		15 Son 23	Grass Diplo. Therail Flow Orden / Orom	
Fisher - Carbo   Tippool   Regional and Carbo   Fisher   Fishe		Grass Felds - Stone Base		03-Oct-23	Gress Flieds - Stone Base	
Finder - Seeding (Fail 2022)   Seeding   See		Grass Fields - Grade / Topsoi Respread at Fields / Fine Grade		19-Oct-23	Grass Fields - Grade / Topson Respreadat Fields / Fine Grade	
Price   Pringerio Selection   Price   Prince   Prince   Prince   Price		Grass Fields - Seeding (Fall 2023)		27-Oct-23	☐ Grass Fleds - Seeding (Fall 2023)	
Foreign Start () part () Best		Grass Fields - Irrigation System		30-Nov-23	Grass Fields - Irrigation System	
Ender-Sectory (Spring 2020)   Ende-Sectory (Spring 2020)   Ende-Secto		Grass Fields - Irrigation Start-Up and Test		18-Dec-23	Grass Fields + Irrigation Start-Up and Test	
12-Oct 23   Oct Nov-22   Oct	NT.F-1440	Grass Fields - Seeding (Spring 2024)		22-Apr-24	(Spring 2024) @disasi-Felds: Seeding (Spring 2024)	
13   12-Oct 23   100-Nov 23	Synthetic Turf Fields (x2	(2)				
15   25   20   20   20   20   20   20   2		Turf Field - Install Field Drainage System / Storm		02-Nov-23	Turf Field Field Drainage System / Storm	
84   Bebooks		Turf Field - Retainage Curb		05-Dec-23	Tuf Field: Retainage Curb	
Edu   Intelligency		Turf Field - Install Base Course Aggregate Layer		26-Dec-23	Turf Field - Install Base Course, 'Aggregate Layer	
19   19   19   19   19   19   19   19		Turf Field - Install and Grade Fine Aggregate Layer		09-Jan-24	Turf Field - Install and Grade Fine Aggregate Layer	
13   19-Mar 24   12-Apr 24		Turf Field - Install Synthetic Turf System & Striping		18-Mar-24	Turf Fièd - Inștall Syrthetic Turf System & Striping	
18.14   Fields - Act Punchist - Oreside and Distribute   5   22-Apr-24   02-Ney-24   02-		Turf Field - Install Perimeter Ferce and Gates	19	12-Apr-24	Turf Field - Install Perimeter: Fence, and Gates	
15   15   15   15   15   15   15   15	0	Turf Field - Install Field Backstops / Fence	15	26-Apr-24	☐ : Turf Field - Install Field Backstops / Fence	
10 GeAmp-24   21-Amp-24   21	2					
Second Building   Second Bui		Punchist All Fields - AE Punchlist - Create and Distribute	53	03-May-24	PUICHIS ALI HOGS - AE-PUICHIS - C/6816 an	a Distribute
See   GS-Oct-23   See   Paring   See   GS-Oct-23   See   Paring   See   GS-Oct-23   See   Paring   See   GS-Oct-23   See   S	P.F-1430	Punchist All Fields - Punchlist Completion	8	21-May-24	Lucatés Ani i-lecs Funzylist Completed	
State walks & Paving   25 30-Aug-23   12-Oct-23   20-Oct-23   20	Concession Buildii CB-1050	ing Concession Building	02	08-Apr-24	Concession Building	
12 Code23   12-Ode23   12-Ode24	Hardscapes / Curb	s / Sidewalks & Paving				
10 20-04-23   20-04-23   20-04-23   20-04-23   20-04-23   20-04-23   20-04-23   20-04-23   20-04-23   20-04-23   20-04-23   20-04-24   20-04-	S-2000 F	Parking Lot Curbs		12-Oct-23	Panking Lot Curbs	
10 20-04-23   02-Nov-23   12 Nov-23   13 Nar-24   13 Nar-24   13 Nar-24   15 Apr-24   15 Apr-24   15 Apr-24   15 Apr-24   15 Apr-24   16 Subp-24   16 Subp-24   17 Nay-24   17 Nay-24   18 Sirping / Pavement Markings   16 Subp-24   17 Nay-24   18 Sirping / Pavement Markings   18 Sirping / Pavement Markings   19 Subp-24   19 Subp		Stone Drives & Parking Lots		20-Oct-23	Slone Drives & Parking Lojs	
15   13-May-24   07-May-24		Base Course Asphalt		02-Nov-23	■ Base Courise Asphalt	
15   15-Apr-24   07-May-24		Sidewalks		07-May-24	sylewalks	
ining Stone at Dives and Parking Lots / Fire Grade 10 24-Apr-24 07-May-24 07		Bio-Retention Areas / Plantings		07-May-24	Bick Retention Areas / Plantings	
10   09-May-24   24-May-24   10   09-May-24   10   09-May-24   10   09-May-24   10   10   09-May-24   10   10   10   10   10   10   10   1		Remaining Stone at Drives and Parking Lots / Fine Grade		07-May-24	Remaining Storbe at Drives and Parking Lots	/ Fine Grade
Hilliard Recreation and Wellness Center ATHLETIC FIELDS  Exhibit "D" Construction Schedule  Remaining Level of Eff  Actual Level of Eff  Actual Work  22557-CC 0.07 FIELDS  Cuitcal Remaining Work  Date 32 of 140		Final Course Asphalt (Spring 2024)		24-May-24	Final Course Asphalt (Spring 2024)	
Hilliard Recreation and Wellness Center ATHLETIC FIELDS  Exhibit "D" Construction Schedule  Actual Lovel of Effort  Actual Lov		Asphalt Striping / Pavement Markings		03-Jun-24	Asphat Stiping / Pavement Markings	
Exhibit "D" Construction Schedule	Data Date: 10-Jan-		d Recreation	and Wellnes	Remaining Level of Effort •	
22557-CC 0.07 FIELDS	Run Date: 10-Jan-		Exhil	bit "D" Cons		
22557-CC 0.07 FIELDS						
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Hilliard Recreation and Wellness Center ATHLETIC FIELDS												
Activity Name	Orig Start Pur	Finish	C 110 N		2023					2024	2025	П
			Jan Feb Mar	Apr May	Jun Jul	Aug Sep Od	Nov Dec	Jan Feb Mar	Apr May	Jun Jul Aug	Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar	Mar
S-2080 Landscape / Trees / Plantings / Hardscape S-2090 AE Sie Punchlist - Create and Distribute	30 28-May-24 5 23-Jul-24	22-Jul-24 29-Jul-24							 	Lands	Landscape / Irees / Plantings / Hardscape   AE Site Punchlist - Create and Distribute	
	20 30-Jul-24	26-Aug-24									Site Punchlist Completion	
Data Date: 10-Jan-23	Hilliard Recreation and Wellness Center ATHLETIC FIELDS	and Wellness	Center A	THILE	IIC FIE	CDS	-	Remainin	Remaining Level of Effort •	♦ Milestone	sstone	
Run Date: 10-Jan-23	Exhibi	Exhibit "D" Construction Schedule	uction Sc	hedule				Actual Work	ork or			
				2	22557-CC 0.07 FIELDS	).07 FIELI	SC	Critical Remaining	Remaining work Critical Remaining Work			
		Page 24 of 149	of 149									]

Hilliard R	Hilliard Recreation and Wellness Center				
Activity ID	Activity Name	Orig Start Dur	Finish	2023 2024 2025 2024 2024 2025 2024 2024 2025 2024 2025 2024 2025 2024 2025 2025	2026
Hilliard Recrea	Hilliard Recreation and Wellness Center			2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
Project Milestones	nes				
M-1100	Site Permit Approved			◆ Ste Permit Approved	
M-1135	Site Mobilization - Weliness Building / Complex			Webligation - Veliness Building (Complex	
M-1080	Recreation / Wellness Center Construction Summary	0	23 25-Feb-25	Recredition/	Wellness Genter Construction Summary
M-1130	Core & Shell Permit Approved		83	◆ Cαe & Shelt Permit Approved	
M-1090	Full Building Permit	0 08-Aug-23		◆ Full Building Permit	
M-1095	Permanent Power			♦ Permanent Power	
M-1015	Final Inspections	8 14-Feb-25		■ Final Inspections	
M-1110	Substantial Completion		25-Feb-25*	◆ Substantial Completion	letion
M-1120	Punchlist / Closeout	60 26-Feb-25		Sind .	Punchlist/ Closeout
M-1200	Hilliard Move-In	44 26-Mar-25			Hilliard Move-In
M-1210	Grand Opening	0	27-May-25		Grand Opening
New Recreation	New Recreation & Wellness Building / Complex				
Design Phase					
GMP 02 - Site					
GMP2-1480	Site Permit Docs Complete	e)		Site Permit Docs Complete	
GMP2-1420	Reconcile GMP 02 Exhibits	_		Regondle GMP 02 Exhibits	
GMP2-1440	City Council Package - Two Weeks Prior	7 17-Feb-23		City Council Package - Two Weeks Prior	
GMP2-1430	Submit GMP 02	0	17-Feb-23	♦ Submit SMIP 02	
GMP2-1450	City Council Package - Approval of GMP 02	0	27-Feb-23	◆ City Council Package - Approval of GMP 02	
GMP2-1460	GMP 02 - Notice to Proceed	0 28-Feb-23	53	♦ GMP 02 - Notice to Proceed	
GMP2-1470	GMP 02 Award Subcontracts following GMP Approval - (GMP 02)	10 28-Feb-23	23 13-Mar-23	☐ GMP 02/Award Subcontracts following GMP Approval (GMP 02)	
Permit Process (Site)	ife)				
	Permit - Site Permit Submission Review & Approval	40 20-Feb-23	23 14-Apr-23	Pemit - Site: Permit Submission Review & Approval	
  -	Roofing & Concrete Foundations				
GMP3-1220	Bid Packages / Scopes of Work	10 10-Feb-23.A	23.A 17-Feb-23	■ BidiPackages / Sopes of Work	
GMP3-1210	Bld Period	15 10-Feb-23.A	23.A 03-Mar-23	Bid Period	
GMP3-1190	Compile GMP 03 Exhibits	5 06-Mar-23	23 10-Mar-23	II	
GMP3-1200	Bid Evaluations / Scope Reviews	5 06-Mar-23		■ Bid Évaluators / Scope Reviews	
GMP3-1180	Reconcile GMP 03 Exhibits	4 13-Mar-23		Reconcile GMP 03 Exhibits	
GMP3-1170	Submit GMP 03	0	17-Mar-23	◆ Submit GMP 03	
GMP3-1160	City Council Package - Two Weeks Prior	6 20-Mar-23		City Council Package - Two Weeks Prior.	
GMP3-1150	City Council Package - Approval of GMP 03		27-Mar-23	◆ City Cquncil Package - Apprioval of GMP-03	
GMP3-1240	GMP 03 - Notice to Proceed	0 28-Mar-23	23		
GMP3-1250	GMP 03 Award Subcontracts following GMP Approval - (GMP 03)	10 28-Mar-23	23 10-Apr-23	GMP 03 Award Subcontracts following/GMP Approval -: (GMP 03)	
Design Developeme	ent / GMP 04 Core & Shell / MEP Procurement				
DD-1060	Complete DD / GMP 04 Documents	77 19-Dec-22A	22 A 17-Mar-23	Complete DD / GMP-04 pocyments	
DD-1060	Issue DD / GMP 04 Documents	0	17-Mar-23	◆ issue Db / GMP 04 bocuments	
GMP4-1090	Bid Packages / Scopes of Work	6 20-Mar-23	23 27-Mar-23	Bid Parkages / Scopes of Work	
GMP4-1100	Bidding Period	15 28-Mar-23	23 17-Apr-23	: Bidding Period	
Data Date: 15-Feb-23	Feb-23	Hilliar	l Recreation a	/ellness Center	◆ Milestone
Run Date: 15-Feb-23	eb-23		Exhibit "D"		
			Construction Schedule	n Schedule	
				Critical Remaining Work	
			Page 25 of 149	of 149	
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Hilliard R	Hilliard Recreation and Wellness Center			Ruscilli
Activity ID	Activity Name	Orio	Finish	NUCTION
	ליניסטין (איניסטין	Dar		2023 2024 2025 2026 2026
GMP4-1110	Bid Evaluation / Scope Reviews	5 18-Apr-23	-23 24-Apr-23	F M Appl M J UNI A S GOGT N D J F M Appl M J UNI A S GOT N D J F M A M J UNI A S GOT N D J F M A M J UNI B Bd Evaluation (Scope Reviews
GMP4-1120	Compile GMP 04 Exhibits			Ogmple GAnp Sat Exhalss
GMP4-1130	Reconcile GMP 04 Exhibits	5 02-May-23	-23 08-May-23	■ Recorded GN/P of Exhibits
GMP4-1140	Submit GMP 04	0	08-May-23	◆ Subjit GMP 04
GMP4-1150	City Council Package - 2 Weeks Prior	10 09-May-23	+23 22-May-23	■ Oily Countil Prodeage - 2 Weeks Prid
GMP4-1160	City Council Meeting - Approval of GMP 04	0	22-May-23	◆ Chy Countil(Moething-Approval of GMIP 04
GMP4-1170	GMP 04 - Notice to Proceed			
GMP4-1180	GMP 04 - Award Subcontracts following GMP Approval - (GMP 04)	10 23-May-23	-23 06-Jun-23	GMP 04 Awerd Subcontracts following GMP Approval - (GMP 04)
Permit Process (Core & Shell)	ore & Shell)			
P-1120	Permit - Core & Shell Permit Submission Review & Approval	40 20-Mar-23	-23 12-May-23	Ferrint - Dore & Shell Permit Suthrission Review & Approval
Construction Docur	Construction Documents / GMP 05 Remaining Packages & Finishes			
CD-1030	Complete CD / GMP 05 Documents	59 20-Mar-23	-23 09-Jun-23	Complete CD/ CMP 95 Dpcurperts
CD-1040	Issue CD / GMP 05 Documents	0	09-Jun-23	◆ issue CD/ CiMP 05 Documents
GMP5-1050	Bid Packages / Scopes of Work	5 12-Jun-23	-23 16-Jun-23	■ Bid Packagés / 9copies of Work
GMP5-1060	Bidding Period	15 19-Jun-23	-23 10-Jul-23	E Biody Period
GMP5-1070	Bid Evaluation / Scope Reviews	5 11-Jul-23	23 17-Jul-23	Biold Evolutation / Scope Reviews
GMP5-1080	Compile GMP 05 Exhibits	5 18-Jul-23	23 24-Jul-23	□ Compile GNP GE Exhibits
GMP5-1090	Reconcile GMP 05 Exhibits	5 25-Jul-23	23 31-Jul-23	II Récordule GMP 05 Extribits
GMP5-1100	Submit GMP 05	0	31-Jul-23	◆ Sichmit GWP 05
GMP5-1110	City Council Package - 2 Weeks Prior	10 01-Aug-23	14-Aug-23	■ City Countral Package: 2 Weeks Phon
GMP5-1120	City Council Meeting - Approval of GMP 05	0	14-Aug-23	◆ ChtyCoupoil Meeting :Approvia of GMP 05
GMP5-1130	GMP 05 - Notice to Proceed	0 15-Aug-23	-23	◆ CsM¢ Odi - Notice to Pi ovejeed
GMP5-1140	GMP 05 - Award Subcontracts following GMP Approval - (GMP 05)	10 15-Aug-23	-23 28-Aug-23	GMP 05 - Áward Subcontradas faloving GMP Approval (GMP 05)
Permit Process (F	Permit Process (Full Building Permit)			
P-1070	Permit - Full Building Permit Submission Review & Approval	40 12-Jun-23	-23 07-Aug-23	Pernit - Full Building Pernit Skibnissoin Review & Approval
Long Lead Mate	Long Lead Material Procurement			
CRD-1070	GMP 04 Procure - Electric Coordination Study	30 31-May-23	-23 12-Jul-23	GMP 04:Procure: Electric Coordinator Study:
GMP 02 - Site Mater	arial Procurement			
FAB-1080	GMP 02 Procure - Storm Structures (4 Months) - Submit / R&A / Fab & Deliver	86 28-Mar-23	-23 27-Jul-23	GWP Q2 Proade - Storin Stratures (4 Months) - Submit / R&A / Fab's Deliver
leel /	Roofing & Concrete Foundations Procurement			
FAB-1090	GMP 03 Procure - Rebar	30 11-Apr-23		GMD 03 Prýcurje - (Rebaj
FAB-1155	GMP 03 Procure - Roofing - Structural Insulated Panels (SIP) Panels (XPS 3 Months) - Submit / R&A	86 11-Apr-23	.23 10-Aug-23	CAMP CG Procure: Rodning - Structural installed Panes (SIP) Panes (XPS 3 Months) - Submit (R&A / Fab & Deliver
FAB-1010	GMP 03 Procure - Structural Steel (5 Months) - Submit / R&A / Fab & Deliver	138 11-Apr-23	.23 24-Oct-23	GMP 03 Procuse - Structural Steel (5 Months) - Submit / R&A/ Fab & Deliver
FAB-1030	GMP 03 Procure - Roofing (10 Months) - Submit / R&A / Fab & Deliver	215 11-Apr-23	.23 13-Feb-24	GMP 03: Procure - Roomig (19 Mentrs) - Subrint / 78.4.4 Fab & Deliver
GMP 04 - Core & SI	GMP 04 - Core & Shell / MEP Procurement			
FAB-1120	GMP 04 Procure - AHU's (40 Ton Units) (35 Weeks) - Submit / R&A / Fab & Deliver			GMP 04 Progure: AHUS (40 Profure) AHUS (40 Por Units) (35 Weeks) - Submitr R&A/ Fab & Deliver
FAB-1040	GMP 04 Procure - Generator (13 Months) - Submit / R&A / Fab & Deliver	200 31-May-23		GMP 04 Propured, Generator (13 Months): Submit / R&A / Fab & Deliver
FAB-1130	GMP 04 Procure - AHU's (75 Ton Units) (12 Months) - Submit / R&A / Fab & Deliver	250 31-May-23	-23 21-May-24	GMP 04 Procure - AHU's (75 Ton Urits) (12 Months) - Submit/ R&A /Fabis Deliver
FAB-1060	GMP 04 Procure - Transformer (12 Months) - Submit / R&A / Fab & Deliver	278 31-May-23	+23 01-Jul-24	GMP Q4 Proorde - Trajsforme( 1/2/Morths) - Submit / RAA/ Feb & Dehiyer
FAB-1110	GMP 04 Procure - Chillers (12 Months) - Submit / R&A / Fab & Deliver	290 31-May-23	-23 19-Jul-24	GMP Of Procure - Chillejs (12 Montris) - Budnit (R&A V Fab & Deliver
FAB-1050	GMP 04 Procure - Switch Gear (12 Months) - Submit / R&A / Fab & Deliver	278 13-Jul-23	23 13-Aug-24	GMP Od Propure - Swinch Gräar (12 Months) - Surbmitt Rak / Flab & Deliver
Construction				
Data Date: 15-Feb-23	-reb-23	Hilliar	d Recreation	iard Recreation and Wellness Center
Run Date: 15-Feb-23	eb-23		Exhi	
			Constructi	edule
				Critical Remaining Work
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Hilliard R	Hilliard Recreation and Wellness Center				
Activity ID	Activity Name	Orig	Start	Finish	TION AND AND AND AND AND AND AND AND AND AN
		in			
Sitework & Utilities					
S-1000	Site Clearing & Grubbing	8	25-Apr-23*	08-May-23	Ste Clearing & Grubbing
S-1010	Stormwater Management (SWPPP)	2	09-May-23	16-May-23	Stormwaler Markagement (SWPPP)
S-1020	Temporary Construction Fence	4	18-May-23	23-May-23	■ Temporary Construction Fence
S-1030	Strip Topsoil	80	25-May-23	06-Jun-23	Poistor duty.
S-1060	Temporary Detertion Basin	80	08-Jun-23	20-Jun-23	■ Terporjavy Detertrion Başin
S-1040	Mass X & Rough Grade Site	83	20-Jun-23	03-Aug-23	Mass;X &:Rough Grade Site
S-1070	Site Sanitary	13	04-Aug-23	25-Aug-23	Site Squbary
S-1080	Site Storm	8	28-Aug-23	29-Sep-23	E 50 0 0 0
S-1090	Site Water / Fire Lines & Hydrants	15	02-Oct-23	26-Oct-23	Ship Wigher 7 Fire Lines & Hydranths
S-1120	Underground Storm Detention System (UDS)	8	02-Oct-23	03-Nov-23	Indegrand Storm Detention System (UDS)
S-1100	Site Electric	8	27-Oct-23	08-Dec-23	Silve Electric
S-1110	U/G Utility (San. / Gas / Water) Road Crossing & Tie-ins at Scioto Darby Road	53	27-Oct-23	19-Dec-23	U/G Utility (San. / Gas / Water) Rhad Crossing & Tie-ins at Scido Darby Road
Structure / Core & Shel	Shell				
S-1050	Construct Building Pad & Stone	10	18-Jul-23	03-Aug-23	Cynsfuci Building Pad's. Slonie
Area AStructure & Envelope	t Envelope				
A-1050	Form and Pour Footings & Stern Walls (10+ Ft Deep)	4	27-Jul-23	03-Oct-23	Form and Pour Fodungs & Stein Walls (10th Ft Deep)
A-1060	Underslab Plumbing & Electric Conduit Rough	13	08-Sep-23	29-Sep-23	Understab Plumbig & Electric Conduit Rough
A-1220	Form and Pour Pool Equipment Pit Walls & SOG in Pit	12	21-Sep-23	10-Oct-23	I Form and Polur Pool Equipment Pit Walts & SOG in Pit
A-1230	Masonry Fire Wall	18	05-Oct-23	03-Nov-23	Mesodry Fire (Wall
A-1070	Prep and Pour SOG	9	02-Nov-23	13-Nov-23	Prepard Prefer Sp. 6
A-1140	SOG Cure	2	16-Nov-23	27-Nov-23	0,000 me
A-1080	Erect Structural Steel	16	20-Nov-23	26-Dec-23	Fred Structural Street
A-1100	Install Roof Deck & Detail	15	29-Dec-23	30-Jan-24	injstal Roof Dekk & Dekal
A-1130	Exterior Masonry Walls	83	29-Dec-23	08-Mar-24	Exterjor Massjorny/Walfs
A-1120	Set and Connect Roof Drains in Low Slope Roof Deck	2	01-Feb-24	02-Feb-24	1 Set and Chunect Roof Drains in Loui Skipe Roof Deak
A-1250	Install Roof Curbs	2	01-Feb-24	02-Feb-24	i irsteli Rod Ourbs
A-1200	2nd Floor Metal Deck & Detail	00	01-Feb-24	16-Feb-24	■ 2nd Foot Métal Deck & Detail
A-1400	Low Slope / Membrane Roof over SIP or Tectum P3 Insulation Board	8	15-Feb-24	16-Apr-24	Low, Stope / Menthorate Roof over StP/ or Tectum P3 Insulation Board
A-1210	Prep and Pour 2nd Floor SOD	4	19-Feb-24	26-Feb-24	■ Pripp and Pour Pard Hody SQD
A-1170	Exterior Wall Framing	00	11-Mar-24	28-Mar-24	Exterior Wall Faming
A-1180	Exterior Wall Sheathing / Spray Applied Air Barrier	4	29-Mar-24	04-Apr-24	ii Exterjor Vikalı Şheqithrig / Spray/Applied Air Barrier
A-1110	Standing Seam Roof on SIP Panels	52	01-May-24	05-Jun-24	Standing Seam Root on SIP Panels
A-1280	Form and Pour Equipment Pads - Rm 205	4	16-May-24	21-May-24	
A-1150	Set AHU's In Mech. Rm 205 (Wall Opening / Leave Out)	40	22-May-24	18-Jul-24	Set/AHIV's In Mech. Rm 2005 (Wall Opening / Leavip Out)
A-1260	Skylight Install	S)	06-Jun-24	12-Jun-24	■ Skylght fisial
A-1240	Infill Exterior Wall & Veneer at Mech Rm 205 - Following AHU Install	9	19-Jul-24	01-Aug-24	☐ Infill Exterior Wall & Verbeerat Moch Frrt 205 - Following AHUt Install
A-1160	Exterior Cladding / Veneer	40	12-Sep-24	06-Nov-24	Exterior Cladding ( Velorer:
A-1190	Install Windows / Storefront / Curtainwall	8	07-Nov-24	05-Dec-24	irisali Windows / Storetront / Curtainwell
A-1290	Interior Glass and Glazing Procurement	10	06-Dec-24	19-Dec-24	Interior Glassia Price (Seasia Price)
A-1270	Glass and Glazing	10	20-Dec-24	03-Jan-25	☐ Glass; and Gright)
Area E Structure & Envelope	& Envelope				
Data Date: 15-Feb-23	Feb-23	H	Hilliard R	ecreation an	iard Recreation and Wellness Center
Run Date: 15-Feb-23	èeb-23			Exhibit "D"	<u> </u>
				Construction Schedule	
					Neitral Remaining Work
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Hilliard R	Hilliard Recreation and Wellness Center		Ruscil	
Activity ID	Activity Name	Orig Start Dur	Finish	2025 2025 2026 2026 2027 2027 2027 2027 2027 2027
E-1000	Footings and Foundations	8 12-0ct-23	24-Oct-23	Explicitly and Foundations
E-1050	Excavate / Elevator Pit Walls / Waterproof & Backfill	5 20-Oct-23	27-Oct-23	III. Excavate / Eleganor Prit/Wals / Waterproof & Backfill
E-1010	Underslab Plumbing & Electric Conduit Rough	5 23-Oct-23	30-Oct-23	
E-1030	Prep and Pour SOG		13-Nov-23	■ Prepared Pour SDG
E1-1000	Interior Masonry Walls at Stair #4	2 16-Nov-23	17-Nov-23	
E-1040	SOG Cure		27-Nov-23	0)
E-1360	Masonry Elevator Shaft	•	08-Dec-23	■ Masomy/Elevator Shaft
E-1260	Erect Structural Steel	13 29-Dec-23	26-Jan-24	Freci Structural Sieel
E-1280	2nd Floor Metal Deck & Detail		20-Feb-24	Tord Floor Metal Dock & Detail
E-1300	Prep and Pour SOD		01-Mar-24	Pepalard Pout SOD
E-1270	Install Roof Deck & Detail	14 23-Feb-24	25-Mar-24	rissial RoofDeck & Detail
E-1290	Exterior Wall Framing		29-Mar-24	Exterior Wall Framing
E-1340	Standing Seam Roof on SIP Panels	. 4	30-Apr-24	
E-1310	Exterior Wall Sheathing / Spray Applied Air Barrier	6 01-Apr-24	09-Apr-24	■ Exterior Weal Orbeidt/Ar [Strait/Applied/Ar Barrier
E-1320	Exterior Cladding / Veneer	30 11-Apr-24	24-May-24	Extension Caladria / Venejar
E-1330	Install Windows / Storefront / Curtainwall	15 28-May-24	17-Jun-24	instal Windows (Stojerion) / Durganiell
E-1370	Interior Glass and Glazing Procurement	10 18-Jun-24	01-Jul-24	🔳 Injenor Glass and Glazhg Produrent
E-1350	Glass and Glazing	5 02-Jul-24	09-Jul-24	☐ Glæs and Glæzing
Area B Structure & Envelope	& Envelope			
B-2000	Footings and Foundations	8 13-Nov-23	30-Nov-23	Footnigs and Foundations
B-2020	Underslab Electric	3 04-Dec-23	08-Dec-23	purpay (Protein) el
B-2040	Prep and Pour SOG	6 14-Dec-23	26-Dec-23	■ Prép aird Pour SOG
B-2050	SOG Cure	5 29-Dec-23	08-Jan-24	
B-2060	Erect Structural Steel & Track Steel	20 29-Jan-24	11-Mar-24	Fred Structura Steel & Track Steel
B-2080	Install Roof Deck & Detail		09-Apr-24	install Rojot Deck & Defaul
B-2150	Exterior Masorry Walls		13-May-24	Exterior Masprny/Wals
B-2160	Track Supports / Hangers	0	13-May-24	1 Track Supports Hargers
B-2100	2nd Floor & Track Metal Deck & Detail	12 14-May-24	30-May-24	■ 2rid Fkor & Track Metall Deick & Dejail
B-2155	Interior Masonry Walls at Gym Storage / Elect. / IT	12 14-May-24	30-May-24	Interior Majaonry Walls at Gym Stor áge / Elekt. / IT
B-2090	Exterior Wall Furring / Insulation Bd o/ Spray Applied Air Barrier	18 14-May-24	07-Jun-24	Txierjor Wall Furring / Insulation Bid of Strafy Applied Air Banifer
B-2130	Prep and Pour SOD	5 31-May-24	06-Jun-24	Obs ind pusted in
B-2110	Standing Seam Roof on SIP Panels	25 06-Jun-24	11-Jul-24	Standing/Sean Roof on SIP Planels
B-2120	Exterior Cladding / Veneer / Screenwall	25 07-Aug-24	11-Sep-24	Exterior Claddring / Veheer / Screenwall
B-2140	Install Windows / Storefront / Curtainwall	17 12-Sep-24	04-Oct-24	iristai Wiridowę / Storeitroni / Curtairwai
B-1410	Interior Glass and Glazing Procurement		18-Oct-24	☐ inteiro (Glass and Glazring Pricouriennent
B-2170	Glass and Glazing	8 21-Oct-24	30-Oct-24	☐ Gess and Clazing
Area C Structure & Envelope	& Envelope			
C-2000	Footings and Foundations		15-Dec-23	
C-2020	Underslab Plumbing & Electric Rough		29-Dec-23	Urderstap Pumhnig & Eechr Rough
C-2040	Prep and Pour SOG		08-Jan-24	
C-2050	SOG Cure	5 09-Jan-24	19-Jan-24	e la Control C
C-2060	Erect Structural Steel	12 14-Mar-24	05-Apr-24	■ ErectStroctural Steel
Data Date: 15-Feb-23	Feb-23	Hilliard R	ecreation an	liard Recreation and Wellness Center ◆ Milestone
Run Date: 15-Feb-23	<sup>2</sup> eb-23		Exhibit "D"	
			Construction Schedule	Schedule Actual Work
				Citical Remaining Work
			Page 28 of 149	
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	Hilliard R	Hilliard Recreation and Wellness Center		Ruscill Ruscill	
March   Marc	Activity ID	Activity Name	0)	Finish	2024 2025 2024 2025 2024 2025 2024 2025 2025
1	C-2070	Exterior Wall Framing	Ť	26-Apr-24	U F M APT M J JULI A S OX N D J F M A M J JULI A S OX N D J F M A M J JULI A S OX N D J F M A M J JULI A S OX N D J M A M J JULI A
An Appeal of State	C-2080	Install Roof Deck & Detail		29-Apr-24	inștal Pod Deek ol Deepil
Accordance   Acc	C-2090	Exterior Air Barrier & Wall Sheathing	1	06-May-24	☐ Exterior Air Barner & Wall Sheathing
Control Registered   Control	C-2030	Grease Interceptor - Install / Inspection / Backfill		10-May-24	I Gresse (Nterdendyr - Install / Instael / I
System State (1)         Changes (1)	C-2120	Exterior Cladding / Veneer		06-Aug-24	Exterior Cladding (Verleer
1	C-2110	Standing Seam Roof on SIP Panels		08-Aug-24	Standing Beam Roof on SIP Panels
Control Control Control   Control Control   Control Control   Control Control   Cont	C-2150	Columns & Trellis (Southwest & Northeast)		20-Aug-24	Columps & Trelis (Southwest & Northeast)
1.3540.00   2.549.00	C-2140	Install Windows / Storefront / Curtainwall		28-Aug-24	Install Windows / Storefort/ Outninwell
1 Section   1 Se	C-2170	Interior Glass and Glazing Procurement		12-Sep-24	Interior Gass and Gazing Procurement
Principle   Prin	C-2160	Glass and Glazing	`	23-Sep-24	□ Gless aind Glazzing
The control Region   1   1   1   1   1   1   1   1   1	Areas L'B Core S.	Fricture & Envelope  From and Envelope		10.Nov23	Footings
Control State   Control Stat	D.B-2020	Underslab Plumbing & Electric Conduit Rough	$\top$	01-Dec-23	☐ Ubderslath Puthining & Electric Conduit Rough
1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	D.B-2040	Prep and Pour SOG		11-Dec-23	首 Prepard Potr SOG
10 Section Street	D.B-2060	SOG Cure		21-Dec-23	
Occurate Clearing Straining         10 24-49-24 (London) and the control of the	D.B-2060	Erect Structural Steel		24-Apr-24	■ Eréct Structural Sie
2. Autor State   2. A	D.B-2070	Exterior Wall Framing	-	08-May-24	Ectador Wall Franking
Vivid Scalaring Statisty of Not Statistics   1 Chickago at Vivid Scalaring Statisty (Statisty Statisty St	D.B-2080	Install Roof Deck & Detail	(4	13-May-24	
12   12   12   13   14   14   15   14   15   14   15   14   15   14   15   14   15   14   15   14   15   14   15   14   15   14   15   14   15   15	D.B-2090	Exterior Wall Sheathing / Spray Applied Air Barrier		17-May-24	Applied Air
15   15   15   15   15   15   15   15	D.B-2100	2nd Floor Metal Deck & Detail	i	23-May-24	☐ 2rd Floor Metal/Deck & Detail
1	D.B-2110	Low Slope / Membrane Roof		04-Jun-24	□ Low Stope / Némbrane Rodr
Construction         2 Bandway All Olivalization         10 Labada         2 Bandway Short Confidence         10 Labada         10 Labada <td>D.B-2130</td> <td>Prep and Pour SOD</td> <td></td> <td>30-May-24</td> <td>■ Prepand Pour SOD</td>	D.B-2130	Prep and Pour SOD		30-May-24	■ Prepand Pour SOD
10 Care   Expression   10 Care   10 Care   Expression   10 Care   10 Car	D.B-2120	Exterior Cladding / Veneer		01-Jul-24	Exterior Cadding / Verreer
Countred HVAC Equipment   10   CA-Jun-24   20-Jul-24   20-Jul-2	D.B-2160	Form and Pour Equipment Pads		11-Jun-24	■ Form and Pour Equipment Pass
Microse Standard   20 02-big 24   13-big	D.B-2170	Set and Connect HVAC Equipment		25-Jun-24	☐ Set and Columetr H/AC Equipment
10   14-Aug-24   27-Aug-24   19   19   19   19   19   19   19   1	D.B-2140	Install Windows / Storefront / Curtainwall		30-Jul-24	Install Windows (Storefort) Outrainwal
and Gazarg  12 GG-Jun-24  File Suppression Above Pode  Coverbact House  12 GG-Jun-24  Coverbact House  13 GG-Jun-24  Coverbact House  14 GG-Jun-24  Coverbact House  15 GG-Jun-24  Coverbact House  16 GG-Jun-24  Coverbact House  17 GG-Jun-24  Coverbact House  18 GG-Jun-24  19 GG-Jun	D.B-2180	Interior Glass and Glazing Procurement	.,	13-Aug-24	Intenor Gass and Glazng Procurement
Point Start Its   Point - Fire Supression Above Poet   Point - Fire	D.B-2150	Glass and Glazing	`	27-Aug-24	☐ Class and Gazdrg
Processor Above Pooks   12   06-Jun-24   21-Jun-24	Interior Buildout				
12   Obs.   Fire Supression   12   Obs.   Fire Supression   12   Obs.   Fire Supression   12   Obs.   Fire Supression   13   Obs.   Fire Supression   14   Obs.	Level 1				
12   05-Jun-24   25-Jun-24   26-Jun-24	Pools - Area A - L	eisure & Lap Pools & Hot Tub			
15   06-Jun-24   25-Jun-24	P-100	Pools - Fire Suppression Above Pools		21-Jun-24	Pode - Fire Suppression Above Poos
20 GG-Jul-24   12-Jul-24	P-110	Pools - Overhead Electric Rough Above Pools		26-Jun-24	Poos : Overnead beleatic Rough Above Poos
1   1   1   1   1   1   1   1   1   1	P-120	Pools - Overhead HVAC Rough Above Pools		03-Jul-24	Pools: Overhead HVAC Rough Above Pools     Pools: Overhead HVAC Rough Above Pools     Pools: Clarify Control of the Pools
15-Jul-24   15-	P-150	Pools - Paint Overhead Structure / MEP's		12-Jul-24	S - Law Open Company of the Company
15-Jul-24   17-Jul-24   15-Jul-24   15-	P-155	Pools - Install Stair to Pool Pit	,	16-Jul-24	
18-Jul-24	7-130	Pools - Light Fixture Install		1/JUF24	1 POOS - LIGHT PASSA
19	P-140	Pools - Overhead Inspections		18-Jul-24	i-cots - Vverhead inspectors
19-Aug-24   16-Aug-24   16-	P-160	Pools - Excavate Leisure & Lap Pools		06-Aug-24	Stock - EXCAVAIRE SEGUE & LAD PROFILE
Hilliard Recreation and Wellness Center  Exhibit "D"  Construction Schedule  Construction Schedule  Benaning Work	P-170	Pools - Underslab Plumbing		16-Aug-24	Property (Application of the Control
Wall Forming / Rebar	P-180	Pools - Bottom Stab Forming / Rebar / Pour & Strip Forms		30-Aug-24	FOOSE FOOTONE SED FORTING VECTOR / FOUL & SILID FORTING
Hilliard Recreation and Wellness Center  Exhibit "D"  Construction Schedule  Remaining Level of Effort  Actual Level of Effort  Actual Work  Construction Schedule  Construction Schedule	P-190	Pools - Wall Forming / Rebar		14-Oct-24	Poots - Wall Forming/ Rebar
Exhibit "D"  Construction Schedule	Data Date: 15-l	Feb-23	Hilliard R	ecreation an	Remaining Level of Effort •
Construction Schedule	Run Date: 15-F	Jeh-23		Fyhih	
	Total Canal			Constructio	

Page	Hilliard ]	Hilliard Recreation and Wellness Center			Ruscil	
1   1   1   1   1   1   1   1   1   1	Activity ID	Activity Name	Orig	Start	CONSTRU	2025
1   10   10   10   10   10   10   10			•	0		S OCT N D J I F M April M J Juli A S OCT N D J F M A M J Juli A S OCT N D
Special State   Special Stat	P-200	Pools - Wall Shotcrete	۵	15-Oct-24	21-Oct-24	I COS: Wall SUPPLIES
Change   C	P-210	Pools - Strip Forms	4	22-Oct-24	25-Oct-24	II. Pouse - Simp Forms:
Particular of the particular	P-220	Pools - Underground Plumbing	42	28-Oct-24	12-Nov-24	
Section   Sect	P-230	Pools - Underground Plumbing Pressure lest	- (	13-Nov-24	13-Nov-24	ssa a pissal i Bugun tumob buuh - soo i
Second Court   Court	P-240	Pools - Form and Pour Pool Equipment Pads	m (	13-Nov-24	15-Nov-24	1 Yook - Horn and Four You Edulment P835
Fig. 2016   20	P-250	Pools - Rebar / Prep and Pour Concrete Pool Deck / SOG	ဖ	14-Nov-24	21-Nov-24	DOOR: VEGETAL FLEE and FOUL CARGORIE FOOT LOOK SET AND ADDITION OF THE SET ADDITION OF THE
Section   Control For Editioner   St. 200-00-24   19 (20-2)   19	P-260	Pools - Block Filler and 1st Coat Paint	10	22-Nov-24	06-Dec-24	Poose- Book Field and 1st Coalt Faint
Figh Control Market	P-270	Pools - Set and Connect Pool Equipment	83	25-Nov-24	31-Dec-24	Poosi- Set and Connect Pool Equipment
Part	P-280	Pools - Finish Coat Paint	80	09-Dec-24	18-Dec-24	■ Pods - Finish Opat Pann
The Part	P-290	Pools - Prep/ Plæster/ Acid Wæsh Pools	80	27-Dec-24	07-Jan-25	■ Ploos's Pirepi'PlaşterfAcid Wejah Poosis
Character   Char	P-300	Pools - Fill Pools	ю	08-Jan-25	10-Jan-25	sloopd IIEJ - stoopd I
True Pool Equinact & Intellet Startup   5   16-lan-25   12-lan-24   12-lan-24   13-lan-24   13-lan-2	P-310	Pools - Chemical Balance & Plaster Brushing	ю	13-Jan-25	15-Jan-25	
Management   19   31449-22   25-104-24	P-320	Pools - Tune Pool Equipment & Initialize Startup	5	16-Jan-25	22-Jan-25	Pobis - Tunis Poda Eguipment & intelest startup
Public State   Publ	Area A - L1 Fite	int				
Better the National Property of Makesome   Better the National Pro	A1-1420	Interior Masonry Walls	18	31-May-24	25-Jun-24	mi Inderiori/Masjonry/Walis
Excito Walk Information   Excito Walk Info	A1-1430	In-Wall Plumbing with Masons	18	31-May-24	25-Jun-24	m In-Wall-Pluribrig with Missorys
10 Charles   10	A1-1440	In-Wall Electric with Masons	18	31-May-24	25-Jun-24	Ti-YvaiTecro.withWasons
1	A1-1425	Install Hollow Metal Frames	4	03-Jun-24	06-Jun-24	1 lipstal Hollow Metal Frames
2 25.0.10-24 (1992)  2 25.0.1	A1-1040	Underslab Sanitary	15	24-Jun-24	15-Jul-24	Underside Sentaly
15   27-Jun-24   18-Jun-24	A1-1080	Frame Walls	2	26-Jun-24	27-Jun-24	. Figure, Wals
Electro Change   Parameter   Electro Change   Parameter   Electro Change   Parameter   Electro Change   Parameter   Electro Change   Electro	A1-1050	Overhead Electric Rough	15	27-Jun-24	18-Jul-24	Ovénteád Electric Réugh
Exercise Rough - Dywali Male   Country   Cou	A1-1450	Overhead Plumbing Rough	15	27-Jun-24	18-Jul-24	
1   12-04-124   13-04-124   14-04-124	A1-1110	In-Wall Electric Rough - Drywall Wals	2	28-Jun-24	01-Jul-24	II Ini/Wall Electric Rogon Drywal/Walls
1   102-bit-24   1   1   102-bit-24   1   1   102-bit-24   1   1   1   1   1   1   1   1   1	A1-1090	Hard Lid / Soffit - MEP / FS Rough-In	ю	28-Jun-24	02-Jul-24	II Hậrd tịd / Soffit - MEP / FS/ Rojugh-in
1	A1-1100	Install Wood Blocking	~	02-Jul-24	02-Jul-24	) Iriķtalī/Noģd Bjockiņg
10 C2-Jut-24   16-Jut-24	A1-1010	Hang Walls	е	02-Jul-24	05-Jul-24	i Hang Wals
20   20   20   20   20   20   20   20	A1-1130	Pull Electric Wire & Install Devices	10	02-Jul-24	16-Jul-24	
4   11-Jul-24   15-Jul-24	A1-1060	Overhead HVAC Rough	99	05-Jul-24	15-Aug-24	Overheid HyAC Rough
19-big 24   19-big 34   19-	A1-1190	Pull Fire Alarm Cable & Install Devices	4	11-Jul-24	16-Jul-24	■ Pull FreAham Cable, 8 rifstal Devices
7 07-Aug-24 15-Aug-24 15-	A1-1460	Plumbing Insulation	80	19-Jul-24	30-Jul-24	iostalinas Britainas Brita
1   14-Aug-24   15-Aug-24	A1-1070	Sprinkler Mains & Laterals	7	07-Aug-24	15-Aug-24	
19-Nug-24   25-8-p-24   25-	A1-1302	Set Switchgear	-	14-Aug-24	14-Aug-24	– Set Switchgear
15   03-Sep-24   23-Sep-24   15-Sep-24   16-Sep-24	A1-1170	Install Sprinkler Heads	7	16-Aug-24	26-Aug-24	□ Install SprinklerTHearbs
10-Sep-24   16-Sep-24   16-S	A1-1180	Duct Insulation	15	03-Sep-24	23-Sep-24	Oniți lui îndigiou
re & Install HVAC Control Devices         5         10-Sep-24         16-Sep-24         16-Sep-2	A1-1140	Frame Soffits & Celling	2	10-Sep-24	16-Sep-24	■ Frame Sofflip & Ceilfig
1   28-5ep-24   25-5ep-24   25-0d-24	A1-1210	Pull Wire & Install HVAC Control Devices	2	10-Sep-24	16-Sep-24	٠
1 26-Sep-24	A1-1230	Hard Lid / Soffit - MEP Above Ceiling Inspections	2	24-Sep-24	25-Sep-24	I. Hard LLM Soffit: - MEP Above Ceiling Inspections
National Soffies   10   10   10   10   10   10   10   1	A1-1250	Hard Lid / Soffit - Structural Inspection	-	26-Sep-24	26-Sep-24	II. Hard Lid / Soffili: Structural Inspection
Nale / Soffie & Ceiling         10 04-0ct-24         17-0ct-24         17-0ct-	A1-1470	Hang Ceilings / Soffits	2	27-Sep-24	03-Oct-24	Heng Cellings / Soffits
Actual Welliness Center  Hilliard Recreation and Wellness Center  Construction Schedule  Remaining Work  Construction Schedule  Construction Schedule  Construction Schedule  Construction Schedule	A1-1020	Finish Walls / Soffits & Ceiling	10	04-Oct-24	17-Oct-24	[ Finish Wales / Scills & Ceiling
Actual Level of Effort  Hilliard Recreation and Wellness Center  Exhibit "D"  Construction Schedule  Remaining Work  Construction Schedule  Remaining Work  Construction Schedule  Control Remaining Work	A1-1030	Set Showers & Valves	က	18-Oct-24	22-Oct-24	☐ Set Showers & Valves
Hilliard Recreation and Wellness Center  Exhibit "D"  Construction Schedule  Remaining Level of Effort  Actual Level of Effort  Actual Work  Construction Schedule  Construction Schedule  Construction Schedule	A1-1150	Prime and Paint 1st Coat	10	18-Oct-24	31-Oct-24	
Exhibit "D"  Construction Schedule	Data Date: 15	-Feb-23	H	filliard Ro	ecreation an	Remaining Level of Effort •
Construction Schedule	Run Date: 15-	·Feb=23			Exhibi	<u> </u>
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Hilliard R	Hilliard Recreation and Wellness Center		Ruscii Ruscii	=======================================	
Activity ID	Activity Name	Orig Start Dur	Finish	2023 2024	$I \mapsto$
A1-1370	Install Sprinkler Escutcheons	2 01-Nov-24	04-Nov-24	S COCT N APPT M C CULL A S COCT N C CULL A S COCT N C C C C C C C C C C C C C C C C C C	5prinkler Escutcheans
A1-1200	Pull Structured Cabling Wire & Install Devices	4 01-Nov-24	06-Nov-24	1 Pull Structured Cabling Wire & Install Device	8, Install Devices
A1-1260	Install HVAC Diffusers / Finishes		07-Nov-24		
A1-1390	Install Lockers	_	07-Nov-24	I Ibstal Lockers	
A1-1240	Light Fixture Trim		14-Nov-24		
A1-1400	Locker Room Benches	5 08-Nov-24	14-Nov-24		
A1-1310	Install Electric Devices & Finishes		25-Nov-24	evices &	San
A1-1290	Install Flooring		26-Nov-24	I Install Footing	
A1-1280	Install Plumbing Fixtures	T	04-Dec-24		
A1-1320	Casework / Millwork & Countertops	5 27-Nov-24	04-Dec-24	C C Court	on recipiose
A1-1360	Install Dons & Hardware	8 06-Dec-24	17-Dec-24	Fig. 1 St. 200 Classification of the state o	
Area E - L1 Fitout			8		
F1-1030	Interior Wall Framing	2 28-11in-24	01-111-24	Description of the second of t	
E1-1040	In-Wall Electrical Rough - Drywall Walls	2 02-Jul-24	03-Jul-24	1 In-Wall Electrical Rough - Drywall Walls	
E1-1160	Overhead HVAC Rough	Ť	30-Jul-24	Overhead HVAC Rough	
E1-1170	Overhead Electric / FA Rough		30-Jul-24	Overhead Electric / FA Rough	
E1-1060	MEP In-Wall Inspections	Ť	08-Jul-24	1 MEP:In-Wall hspections	
E1-1050	Pull Electric Wire & Install Devices	7 05-Jul-24	15-Jul-24	□ Pul Electric Wire & Instalf Devices	
E1-1180	Overhead Plumbing Rough	10 05-Jul-24	18-Jul-24	■ Overhead Plumbing Rough	
E1-1320	Pull Fire Alarm Cable & Install Devices	4 08-Jul-24	11-Jul-24	I Pull Fire Alarm Cable & Install Devices	
E1-1070	Structural Inspection	1 09-Jul-24	09-Jul-24	1 Structural Inspection	
E1-1080	Hang Drywall Walls	3 10-Jul-24	12-Jul-24	I Hang DrywaltWals	
E1-1190	Fire Suppression Mains and Laterals	5 10-Jul-24	16-Jul-24	☐ Fire Sugoression Mains and Laterals	
E1-1100	Install Sound Batt Insulation	2 11-Jul-24	12-Jul-24	I install Sqund Batt Insulation	
E1-1150	Frame Drywall Soffits and Ceilings		16-Jul-24	I Frame Drywall Soffits and Cellings	
E1-1110	Set Door Frames		17-Jul-24	- Set Door Frames	
E1-1090	Finish Drywall Walls	,	18-Jul-24	I Frish Drywall Walls	
E1-1200	Rough in Light Fixtures in Drywall Ceilings	-	18-Jul-24	I Rough in Light Fixtures in Drywall Ceilings	
E1-1120	Interior Glass Procurement		31-Jul-24	Inferior Glass Procurement	
E1-1220	Plumbing Equipment Install	Ħ	23-Jul-24	□ Plumbing Equipment Install	
E1-1240	Prime & 1st Coat Paint		29-Jul-24	☐ Prime & 1st Coat Paint:	
E1-1230	Install Elevator Sump Pump		24-Jul-24	I Install Elevator Sumb Pump	
E1-1205	Pull Structured Cabling Wire & Install Devices		02-Aug-24	Pull Structured Cabiirg Wrie & Install Devices	Sec
E1-1215	Pull Wire & Install HVAC Control Devices		06-Aug-24		
E1-1330	HVAC Insulation	(-)	13-Aug-24	HVA/C Insulation	
E1-1130	Install Interior Glass		01-Aug-24	Installanterior Glass	
E1-1280	Ceiling Grid		15-Aug-24	DD-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-	
E1-1290	Light Fixtures in ACT Grid	1 16-Aug-24	16-Aug-24	I Light Fixtures in ACT Grid	
E1-1300	Grills and Diffusers		16-Aug-24	Cirils and Diffuseirs	
E1-1210	Sprinkler Heads & Escutcheons		22-Aug-24	Strinker Heads & Escutorieons:	
E1-1310	Light Fixtures in Open Ceilings	5 19-Aug-24	23-Aug-24	Light Fixtures in Open Ceilings	
Data Date: 15-Feb-23	Feb-23	Hilliard R	ecreation an	liard Recreation and Wellness Center ← Remaining Level of Effort ◆	◆ Milestone
Run Date: 15-Feb-23	<sup>3</sup> eh-23		Exhibi	<u> </u>	
			Construction	edule	
			4	Citical Nationaling Work	
			Page 31 of 149	Of 149	

	Hilliard Recreation and Wellness Center	and Wellness Center		Ruscilli	
					2025
1   2004931   0.589-24   1   1   1   1   1   1   1   1   1		spections		F M Apr M J Jul A S Oct N D	A S Oct N D J F M A M J Jul A S Oct N D R MEPAbove Ceiling inspections
1   20-20-20   20-20		of Ceiling	+	27-Aug-24	I. Structural Inspection of Celling
1   20   20   20   20   20   20   20				06-Sep-24	□ Finish Paint
1   25-0-24				20-Sep-24	Di la control
Fig. 10, 10, 10, 10, 10, 10, 10, 10, 10, 10,				25-Sep-24	II. Doors and Hardware
1   1   1   1   1   1   1   1   1   1					
1   2   2   2   2   2   2   2   2   2		ngh		01-Aug-24	
A control former bank Learne Street         5 control Street         2 control Street         8 control Street         9 control Street <t< td=""><td></td><td></td><td></td><td>22-Aug-24</td><td>Overhead HVAC</td></t<>				22-Aug-24	Overhead HVAC
1   15   15   15   15   15   15   15		ains / Laterals & Heads		29-Aug-24	Fire Suppressions Mains / Laterials & Heads
Application   Construction   Const		nt Walls	``	03-Sep-24	☐ Prime & 1/st Coat Paint Walls
10   10   10   10   10   10   10   10		ture		09-Sep-24	
Aber We we intelligence of a special process of the degree		stall Devices		10-Sep-24	- 1
The Experiment         3 th Sept. 24         1 Sept. 24         1 Hope 24         1 Sept. 24         1 Hope 24         1 Sept. 24         1 Hope 24         2 Hope 24 </td <td></td> <td>k Install Devices</td> <td></td> <td>10-Sep-24</td> <td></td>		k Install Devices		10-Sep-24	
Table State State Windows         1 15-86-24         15		nt		12-Sep-24	
1   1   1   1   1   2   2   1   2   2		g Wire & Install Devices		13-Sep-24	Pull Structured Cabling Wire & Install
19-89-24   19-89-24		ler Curtain	_	13-Sep-24	
1 Sep-24				16-Sep-24	Il install Speakers
1   15-8p-24   15-8p		cing		18-Sep-24	■ Elevated Track Surfacing
1   1   1   1   1   1   1   1   1   1				19-Sep-24	□ Light Fixtures
Event for Down         20         20.8 Sep-24         17.0 Cod-34         Processor         27.0 Cod-32         Processor		al Guardrail around Track		25-Sep-24	☐ Install Decorative Metal Guardrail around Track
1   1   1   1   1   1   1   1   1   1				17-Oct-24	Instell Gym Floor
Particular   Par		Floor	_	24-0ct-24	■ Stripe & Firish Gym Floor
1	Area C - L1 Fitout				
1			Ť	12-Aug-24	I friterior Wall Framing
15-Aug-24   10-5ap-24   10-5		gh - Drywall Walis		14-Aug-24	I (n-Wall Electrical Rough - Drywall Walls
2 15-Aug-24 10-6-p-24 1 1-Aug-24 10-6-p-24 1 1-Aug-24 10-6-p-24 1 1-Aug-24 10-6-p-24 1 1-Aug-24 12-Aug-24		gh		10-Sep-24	Covernead HVAC Rough
15 Aug 24   15		4 Rough		10-Sep-24	Overhead Electric / FA Rough
1   15-kug-24   23-kug-24		suc	Ė	16-Aug-24	I MEP In-Wallinspections:
15-Aug-24   16-Aug-24   21-Aug-24   21-A		stall Devices	-	23-Aug-24	☐ Pull Electric Wirle & Install Devices
1 GANG24   19-Aug24		sough	Ť	28-Aug-24	
1   1944g-24   1944g		& Install Devices		21-Aug-24	■ Pul Fire Alarm Çable & firstall Devices
2				19-Aug-24	I Structural Inspection
1   1   1   2   2   2   2   2   2   2			-	22-Aug-24	I Hang Drywall Wals
2 21-Aug-24		ns and Laterals		26-Aug-24	■ Fire Suppression Mains and Laterals
Drywal Soffits and Cellings         2         23-Aug-24         26-Aug-24         27-Aug-24         27-Aug-24         27-Aug-24         27-Aug-24         27-Aug-24         28-Aug-24         27-Aug-24         28-Aug-24		ulation		22-Aug-24	I Install Sound Batt Insulation
Or Frames         3         22Aug-24         27Aug-24         27Aug-24         28Aug-24		and Celings		26-Aug-24	Il: Frame;Drywall Soffits and Ceilings
Dywal Walls         Dywal Walls         British Dywal Wals         Erish Dywal Wals				27-Aug-24	
1				28-Aug-24	Finish Drywall Wals
8. 1st Coar Paint  7. 22-Aug-24 10-Sep-24 11-Sep-24 11-		s in Drywall Ceilings	. 4	28-Aug-24	
Hilliard Recreation and Wellness Center  Hilliard Recreation Schedule  Exhibit "D"  Construction Schedule  Pane 32 of 149		te		09-Sep-24	
Hilliard Recreation and Wellness Center  Exhibit "D"  Construction Schedule  Page 24 12.5ep-24   12.5e		g Wire & Install Devices		13-Sep-24	
Hilliard Recreation and Wellness Center  Exhibit "D"  Construction Schedule  Pane 32 of 149  Construction and Wellness Center  Remaining Level of Effort  Actual Level of Effort  Actual Work  Construction Schedule  Construction Schedule		Joor		12-Sep-24	I Overhead Sectional Door:
Exhibit "D"  Construction Schedule	Data Date: 15-Feb-23		Hilliard R	ecreation and Wellness Center	•
Construction Schedule	Run Date: 15-Feb-23			Exhibit "D"	Actual Level of Effort
				Construction Schedule	Actual Work
					Critical Remaining Work
				Page 32 of 149	

	Hilliard Re	Hilliard Recreation and Wellness Center		Ruscilli		
		Activity Name		CONSTRUC	2024 2025 2026	
1   200-20		A TANAN CONTRACTOR OF THE CONT	+	F M Apr M J Jul A S Oct N D	J F M A M J Jul A S Oct N D J F M A	Inc c
1   2   2   2   2   2   2   2   2   2		Full WILE & HISIAII HVAC COLITO DEVICES	- (-	24-Sep-24		
1   20-20-20   20-20		Oelling Grid	+	26-Sep-24	- Celing Grid	
The back of the		Light Fixtures in ACT Grid	1	27-Sep-24	F. Light Fxtures in ACT Gird	
1   1962-20		Grills and Diffusers	1	27-Sep-24	i Gills and Diffusions:	
1   1   1   1   1   1   1   1   1   1		Sprinkler Heads & Escutcheons	1	03-Oct-24	Sprinkler Heads & Esqutcheons	
1 State   1 St		Wood Ceilings	1	10-Oct-24	□ Wood Ceilings	
1 (0.00-25)   1 (0.00-25)		Light Fixtures in Open Ceilings		04-Oct-24	Light Fxtures in Open Cellings	
1 (20.02.42   10.02.02.43		MEP Above Ceiling Inspections		07-Oct-24	I WEPAbove Geiling Inspections	
Decretation   Control		Structural Inspection of Celling	_	08-Oct-24	I Ştruğtural Inspection of Céiling	
Figure   F		Flooring		22-Oct-24	Flooring	
To Exclusions         7 2.02.042         31.042.83         Process         10.042.83         Process         10.042.83         Process         10.042.83         Process         10.042.83         Process         10.042.83         Process         P		Kitchen Flooring		29-0¢-24	Kitchen Flooring	
Operation of the control o		Install Operable Partitions		31-Oct-24	_	
Construction   Cons		Casework & Countertops / Bookcases		05-Nov-24		
10 SOCIATION   10 S		Install Kitchen Equipment		30-Oct-24	( Inștall Kitohen Equipment	
12   12   12   12   13   13   13   13		MEP Connections to Kitchen Equipment		12-Nov-24		
1   1   1   1   1   1   1   1   1   1		Plumbing Fixtures		12-Nov-24		
15A-bg-24   15A-		Finish Paint		15-Nov-24	Finish Paint	
Sample   S		Doors and Hardware		22-Nov-24	■ Doors and Hardware	
Exercise   Particular   Exercise   Exercis						
Euchic Rough   Each Margan		Interior Wall Framing		19-Aug-24	■ interior (Vall Framing	
15   20-04924   10-58-0-24		In-Wall Electrical Rough - Drywall Wals		26-Aug-24	■ In-Walt Electrical Rough - Diywall Walls	
Solution   Contract		Overhead HVAC Rough		10-Sep-24	Overhead HVAC Rough	
10   2A-Aug-24   10-Sep-24		Overhead Electric / FA Rough		10-Sep-24	Overhead Electric / FA Rough	
2		Overhead Plumbing Rough		05-Sep-24		
Fire Suppression Mains and Jalentis   5   77-Aug24   06-Sep-24		MEP In-Wall Inspections		29-Aug-24		
Registration   Registeration   Registration   Reg		Fire Suppression Mains and Laterals		03-Sep-24		
4 28-Augn24 03-6p-24         1 30-Augn24 03-6p-24         1 30-Sep-24 03-6p-24         1 30-Sep		Pull Electric Wire & Install Devices		06-Sep-24	☐ Pull Electric Wire & Install Devices	
1 30-λug-24 10-5ap-24 1		Pull Fire Alarm Cable & Install Devices		03-Sep-24	☐ Pull Fire Alarm Cable & Install Devices	
1.58p-24		Structural Inspection		30-Aug-24		
4    04.58p-24   15.8p-24   15.		Hang Drywall Walls		10-Sep-24		
Dywal Soffits and Celings  2 11-5ep-24 12-5ep-24 13-5ep-24 13-5ep		Install Sound Batt Insulation		09-Sep-24		
11-Sep-24   13-Sep-24   13-S		Frame Drywall Soffits and Ceilngs		12-Sep-24		
1.58p-24		Set Door Frames		13-Sep-24	Set Door Frames	
Drywal Wales         10         11-Sep-24         24-Sep-24         14-Sep-24         14-Sep-24         14-Sep-24         14-Sep-24         15-Sep-24         16-Sep-24         15-Sep-24         16-Sep-24         1		Pull Wire & Install HVAC Control Devices		17-Sep-24	□ PuliWire & Install HVA C Control Devices:	
11-Sep-24   24-Sep-24   11-Sep-24   11-		Finish Drywall Walls	_	24-Sep-24	☐ Finsh Dywall Walls	
2   13-58p-24   16-58p-24   16-58p-24   16-58p-24   19-90-14		HVAC Insulation	i	24-Sep-24		
7   25-8p-24   03-0d-24   03-0d-24   03-0d-24   03-0d-24   03-0d-24   03-0d-24   03-0d-24   03-8p-24   03-8		Rough in Light Fixtures in Drywall Ceilings		16-Sep-24		
1 27-Sep-24 27/Sep-24 27/Sep-24 27/Sep-24 27/Sep-24 27/Sep-24 20-Sep-24 2		Prime & 1st Coat Paint		03-Oct-24	■ Prime & 1st Coat Paint	
1   30-Sep-24		Ceiling Grid	1 27-Sep-24	27-Sep-24	i, Oeijing/Grid	
Hilliard Recreation and Wellness Center  Exhibit "D"  Exhibit "D"  Construction Schedule  Dana 33 Af 140		Light Fixtures	1 30-Sep-24	30-Sep-24	Light Fixtures	
Hilliard Recreation and Wellness Center  Exhibit "D"  Construction Schedule  Page 33 Af 149		Grills and Diffusers	1 30-Sep-24	30-Sep-24	Grills and Diffusers;	
Exhibit "D"  Construction Schedule	Data Date: 15-Fel	5-23	Hilliard R	Recreation and Wellness Center	•	
Construction Schedule	Run Date: 15-Feb	<b></b> 23		Exhibit "D"	Actual Level of Effort	
				Construction Schedule	Actual Work	
					Critical Remaining Work	
				Dage 33 of 140		

10   10   10   10   10   10   10   10	Hilliard R	Hilliard Recreation and Wellness Center				
Control Section   Control Se	Activity ID	Activity Name		Finish	2024	$\square$
1   20-20-24     20-20-24	D1-1270	Sprinkler Heads & Escutcheons		04-Oct-24	J F M Apr M J Juli A S Od N D	<b></b>
1   10   10   10   10   10   10   10	D1-1360	Wood Ceilings		15-Oct-24		
1   100 cols   1	D1-1190	Paint Structure Above Ceiling Clouds		04-Oct-24	l Paint Structure Above Celling Clor	<u> </u>
Decided to Contributions   Decided   Decided	D1-1200	Pull Structured Cabling Wire & Install Devices		09-Oct-24	I Pull Structured Celaing Wire Stin	all Devices
Dock of all propertions         2 07-00-24         07-00-24         10-00-24         1 mile           Dock of all propertions         1 07-00-24         07-00-24         10-00-24         1 mile           Tell propertions         1 07-00-24         1 07-00-24         1 07-00-24         1 1 mile           Tell propertion         1 07-00-24         1 07-00-24         1 07-00-24         1 1 mile           Tell propertion         2 07-00-24         1 14-00-24         1 07-00-24         1 14-00-24           Tell propertion         2 07-00-24         1 14-00-24         1 07-00-24         1 14-00-24           Tell propertion         2 07-00-24         1 14-00-24         1 07-00-24         1 07-00-24         1 14-00-24           Tell propertion         2 07-00-24         1 14-00-24         1 07-	D1-1350	Casework / Millwork & Countertops	_	17-Oct-24	☐ Casework / Millyfork & Countert	8
1   10   10   10   10   10   10   10	D1-1290	MEP Above Ceiling Inspections	0	08-Oct-24	I MEPAbove Çeiling Inspections	
1   100-0543   200-0543   1   1   1   1   1   1   1   1   1	D1-1280	Ceiling Clouds		10-Oct-24	- Ceiling Clouds	
The Content	D1-1300	Structural Inspection of Ceiling	0	09-Oct-24	I Structural Inspection of Ceiling	
Part	D1-1170	Plumbing Fixtures		24-Oct-24	B Plumbing Fixtures	
Desirements   10 20-00434   11-New 24   12-New 24	D1-1310	Finish Paint		28-Oct-24	in the second se	
Permity   Perm	D1-1320	Flooring	.4	11-Nov-24	£ Pooring	
Parting   Part	D1-1330	Doors and Hardware	-	14-Nov-24	Doors and Hardware	
Exert Fourth   Exer	D1-1340	Control Desk and Countertop		20-Nov-24	□ Control Desk and Countent	
Finding   Electric Roughle   E	Level 2					
Salabaga   22 Augad   23 Augad	Area A - L2 Fitou					
Ebenic Rough-In-Opwal Wales   52 24-Aug-24   15-8-Aug-24   15-8-Aug-24	A2-1750	Interior Framing		22-Aug-24	I Interior Framing	
Standard   Standard	A2-1760	In-Wall Electric Rough-In - Drywall Walls		26-Aug-24	II In-WaltElectric/Rough-In- Drywall Walt	
1	A2-1820	Overhead Electric Rough		13-Sep-24	Overhead Electric Rough:	
17 Page 24   17 Page 34   17	A2-1910	Plumbing Rough from Floor Below		13-Sep-24	Plumbing Rough from Floor Below	
1   274-Aug-24	A2-1480	Overhead HVAC Rough		04-Oct-24	Cherthead HVAC Rough	
Walk         Walk         Standaged         30 Anapged	A2-1770	Install Wood Blocking		27-Aug-24	li Install Wood Blocking	
Pulicy Wine & Interal Devices   10   27 Aug 24   10 Sep 24   10	A2-1690	Hang Walls		30-Aug-24	B Hang Walls	
15   15   15   15   15   15   15   15	A2-1500	Pull Electric Wire & Install Devices	-	10-Sep-24	☐ Pull Electric Wire & Instalt Devices	
A   058-p24   068-p24	A2-1700	Finish Drywall Walls		10-Sep-24		
A   10   10   10   10   10   10   10	A2-1580	Install Hollow Metal Frames		06-Sep-24	II Install Hollow Metal Frames	
11-58p-24   13-58p-34   13-5	A2-1650	Pull Fire Alarm Cable & Install Devices		10-Sep-24	■ Pull Fire Alarm Cable & Install Device	
Principle   Prin	A2-1850	Set Showers & Valves		13-Sep-24	■ Set Showers & Valves	
1   25-58p-24   08-0ct-24	A2-1900	Plumbing Insulation		25-Sep-24	□ Plumbing Insulation:	
1   26-56p-24   94-0d-24   197-0d-24   1	A2-1810	Prime and Paint 1st Coat	. 4	08-Oct-24	Prime and Paint (st Coat	
10 07-0c;24   21-0c;24   25-0c;24   26-0c;24   26-0c;	A2-1540	Sprinkler Mains & Laterals	.,	04-Oct-24	Sprinkler Main's & Laterals	
15   07-0ct-24   25-0ct-24   14-0ct-24   16-0ct-24	A2-1550	Install Sprinkler Heads		21-Oct-24	□ Install Sprinkler Heads	
1	A2-1740	Duct Insulation		25-Oct-24		
Construction   Control Devices   5   09-0ct-24   15-0ct-24   15-0ct-24   16-0ct-24   16-	A2-1660	Pull Structured Cabling Wire & Install Devices		14-Oct-24		itall Devices
Control of the cont	A2-1640	Pull Wire & Install HVAC Control Devices		15-Oct-24	Pull Wine & Install HVAC Control	Devices
15-0ct-24   28-0ct-24   28-0	A2-1780	Ceiling Grid		16-Oct-24	Di Selipa Grid	
1	A2-1490	Install Light Fixtures	-	28-Oct-24	III Install Light Fixfures	
1   24   24   25   25   25   25   25   25	A2-1520	Install HVAC Diffusers / Finishes	`	23-Oct-24	□ Install HVAC Diffusers / Finishe	
1   29-0ct-24   29-0ct-24   29-0ct-24   29-0ct-24   29-0ct-24   29-0ct-24   01-Nov-24	A2-1560	Install Sprinkler Escutcheons		23-Oct-24	I Install Sprinkler:Escutcheons	
Celling MEP / F8 & Structural Inspections in Grid         4 29-06:24 01-Nov-24         01-Nov-24         01-Nov-24         06-Nov-24         06-Nov-24         01-Nov-24         0	A2-1600	Install Flooring	. 4	29-Oct-24	Install Flooring	
Hilliard Recreation and Wellness Center    Actual Level of Effort	A2-1530	Above Ceiling MEP / FS & Structural Inspections in Grid	.,	01-Nov-24	1 Abové Celing MEP / FS & St	ictural Inspections in Grid
Plumbing Fixtures  3 30-Oct-24 Of-Nov-24	AZ-1510	Install Electric Devices & Finshes		06-Nov-24	III II) Signi Electric, Del(1008) & Filli	
Hilliard Recreation and Wellness Center  Exhibit "D"  Construction Schedule  Remaining Level of Effort  Actual Level of Effort  Actual Work  Construction Schedule  Construction Schedule  Construction Schedule	A2-1670	Install Plumbing Fixtures		01-Nov-24	I Install Phunbing Fixtures	
Exhibit "D"  Construction Schedule	Data Date: 15-	Feb-23	Hilliard R	ecreation ar	Remaining Level of Effort	◆ Milestone
Construction Schedule	Run Date: 15-F	Teh-23		Exhib	<u> </u>	
				Constructio		

1.00   1.00	Hilliard	Hilliard Recreation and Wellness Center				
10   10   10   10   10   10   10   10	Activity ID	Activity Name	Orig	Start	Finish	ROILS
1   1   1   1   1   1   1   1   1   1			Din			2023 2024 2024 2024 2024 2024 2024 2024
Control (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	A2-1800	Casework / Milwork & Countertops	2	30-Oct-24	05-Nov-24	□ Casework / Milwork & Countertops
10   10   10   10   10   10   10   10	A2-1790	Drop Acoustic Celling Tile	n	04-Nov-24	06-Nov-24	I Drop Acoustic Celling Tile
Decision   Control Charles	A2-1570	Final Coat Paint	15	06-Nov-24	26-Nov-24	E-Frial Coat Paint
Continue	A2-1590	Install Doors & Hardware	80	07-Nov-24	18-Nov-24	□ Install Dipors & Hardware
Province	A2-1830	Install Lockers	5	27-Nov-24	04-Dec-24	□ Iristali (Tookkers)
Marie   Particular   Particul	A2-1840	Locker Room Benches	5	05-Dec-24	11-Dec-24	
Extract from the property   2 Standard 20 Standard 2	Area E -L2 F	itout				
1	E2-2000	Interior Wall Framing	2	23-Aug-24	29-Aug-24	
1	E2-2010	In-Wall Electrical Rough - Drywall Walls	7	30-Aug-24	10-Sep-24	
Operation         10 Geograph	E2-2020	Overhead HVAC Rough	8	30-Aug-24	27-Sep-24	(AvV) Home
1	E2-2060	Plumbing Rough from Floor Below	10	04-Sep-24	17-Sep-24	☐ Plumbring Rejuch (ron) Fleor Below
Visit Indicates         3         11.589-20.4         15.589-20.4 <th< td=""><td>E2-2100</td><td>Fire Suppression Mains and Laterals</td><td>2</td><td>09-Sep-24</td><td>13-Sep-24</td><td>I Fre Suppression Mains and Laterials</td></th<>	E2-2100	Fire Suppression Mains and Laterals	2	09-Sep-24	13-Sep-24	I Fre Suppression Mains and Laterials
1   1   1   1   1   1   1   1   1   1	E2-2040	MEP In-Wall Inspections	က	11-Sep-24	13-Sep-24	I MEP In-Malinspections
1   1   1   1   1   1   1   1   1   1	E2-2030	Overhead Electric / FA Rough	8	11-Sep-24	08-Oct-24	Overhead Electric / FA Rough
1   1   1   1   1   1   1   1   1   1	E2-2080	Structural Inspection	~	16-Sep-24	16-Sep-24	- Strictural Inspection
1.654p.24   2.554p.24   2.55	E2-2090	Hang Drywall Walls	9	17-Sep-24	24-Sep-24	B: Harg Drywal Wals:
Dynal Victor         Per Selp-24         30.58-p.24         30	E2-2110	Install Sound Batt Insulation	က	19-Sep-24	23-Sep-24	corporal Jaconic Best I Page
of Exception         1 Separable         1 Separable         1 Separable         1 February           of Exception         1 Separable         1 Octobroad         1 February         1 February           net building         2 Separable         1 Octobroad         1 February         1 February           net building         2 Separable         1 Octobroad         1 Octobroad         1 Octobroad           net building         2 Separable         1 Octobroad         1 Octobroad         1 Octobroad           dest Processing         1 Octobroad         1 Octobroad         1 Octobroad         1 Octobroad           dest Processing         2 Separable         1 Octobroad         1 Octobroad         1 Octobroad         1 Octobroad           dest Processing         2 Separable         1 Octobroad         1 Octobroad         1 Octobroad         1 Octobroad           dest Comment         3 Separable         1 Octobroad         1 Octobroad         1 Octobroad         1 Octobroad           dest Comment         3 Separable         3 Separab	E2-2120	Frame Drywall Soffits and Ceilings	4	25-Sep-24	30-Sep-24	☐ Fiame Doywell/Sorfits and Çellings
No. Class page 24         0.00-02-24         Principal Mode         Principal Mode         Principal Mode           Indigit Finance Downson         2         9.05-89-24         1.00-02-24	E2-2130	Set Door Frames	4	25-Sep-24	30-Sep-24	Set Door Framies
8 50.58-92-34 to Located Devices  1 2 0.50-26-34 (15-0a-24)  2 0.50-26-34 (15-0a-24)  2 0.50-26-34 (15-0a-24)  2 0.50-26-34 (15-0a-24)  3 0.50-26-34 (15-0a-24)  4 1 15-0a-24 (15-0a-24)  5 0.50-26-34 (15-0a-24)  5 0.50-26	E2-2140	Finish Drywall Walls	80	25-Sep-24	04-Oct-24	☐ Finisi Drykeli Walls
12 20.02-24   15-02-	E2-2210	Pull Wire & Install HVAC Control Devices	5	30-Sep-24	04-Oct-24	II P∫ul Výre & Inşiali HVAC Control Dévices
1   1   1   1   1   1   1   1   1   1	E2-220	HVAC Insulation	12	30-Sep-24	15-Oct-24	■ HVAC Insulation
Construction   Cons	E2-2150	Rough in Light Fixtures in Drywall Ceilings	2	01-Oct-24	02-Oct-24	i Rougti in Light Fixturesiin Dyweil Ceilings
6 Or-Cot-24         16 Or-Cot-24<	E2-2160	Interior Glass Procurement	10	01-Oct-24	14-Oct-24	Interior glass Pricuriend
17 (0.00-12)	E2-2180	Prime & 1st Coat Paint	00	07-Oct-24	16-Oct-24	
1	E2-2050	Pull Electric Wire & Install Devices	7	09-Oct-24	17-Oct-24	
1   1   1   1   1   1   1   1   1   1	E2-2070	Pull Fire Alarm Cable & Install Devices	2	10-Oct-24	16-Oct-24	
Color   Colo	E2-2230	Install Interior Glass	2	15-Oct-24	16-Oct-24	- install interior Glass
1   1   1   1   1   1   1   1   1   1	E2-2240	Ceiling Grid	4	16-Oct-24	21-Oct-24	O O O O O O O O O O O O O O O O O O O
1	E2-2200	Pull Structured Cabling Wire & Install Devices	Ω	17-Oct-24	23-Oct-24	■ Pulj Strijctujed Čabijing Wire;& Irjstali Dečices
Construction   Cons	E2-2250	Light Fixtures in ACT Grid	ю	22-Oct-24	24-Oct-24	I. Light Fixture's in Act Grid
Construction   Cons	E2-2260	Gr⊪s and Diffusers	က	22-Oct-24	24-Oct-24	Cific and Officers
thurse in Open Cellings  4 25-Cot-24 30-Od-24  5 30-Od-24 01-Nov-24  1 04-Nov-24 04-Nov-24  1 04-Nov-24 04-Nov-24  1 04-Nov-24 04-Nov-24  1 04-Nov-24 04-Nov-24  1 04-Nov-24 06-Nov-24  1 0 04-Nov-24 06-Nov-24  1 0 04-Nov-24 15-Nov-24  1 0 04-Nov-	E2-2270	Sprinkler Heads & Escutcheons	9	22-Oct-24	29-Oct-24	■ Sprinkler Heads & Esculcheons
1   04-Nov-24   01-Nov-24   04-Nov-24	E2-2280	Light Fixtures in Open Ceilings	4	25-Oct-24	30-Oct-24	fi Light Fycturies in Opien Çellings
1   O4-Nov-24	E2-2290	MEP Above Ceiling Inspections	6	30-Oct-24	01-Nov-24	MFP Above Calling Inspections
rg Fktures         3         04-Nov-24         Ge-Nov-24         14-Nov-24         14-Nov-24         14-Nov-24         14-Nov-24         14-Nov-24         15-Nov-24         14-Nov-24         15-Nov-24         15-N	E2-2300	Structural Inspection of Ceiling	-	04-Nov-24	04-Nov-24	i Structuralinspection of Celling
Paint   S   05-Nov-24   14-Nov-24   14-Nov-24   14-Nov-24   15-Nov-24   14-Nov-24   15-Nov-24   15-N	E2-2170	Plumbing Fixtures	m	04-Nov-24	06-Nov-24	1 Plumbro-Fraines
10   15-Nov-24   29-Nov-24   15-Nov-24	E2-2310	Finish Paint	80	05-Nov-24	14-Nov-24	
Particular   S   12-Dec-24   15-Nov-24	E2-2320	Flooring	10	15-Nov-24	29-Nov-24	- Heorific
Patio / Mach Roam 225A   15 Nov-24   15	E2-2330	Doors and Hardware	ιΩ	02-Dec-24	06-Dec-24	II Dooxs and Heidweire
Hilliard Recreation and Wellness Center  Exhibit "D"  Construction Schedule  Remaining Work  Construction Schedule  Remaining Work  Control Remaining Work	Area D - L2 Fi	itout / Lounge / Patio / Mech Room 225A				
Hilliard Recreation and Wellness Center  Exhibit "D"  Construction Schedule  Remaining Level of Effort  Actual Level of Effort  Actual Work  Construction Schedule  Construction Schedule  Construction Schedule	D2-2000	MEP Rough	10	04-Nov-24	15-Nov-24	■ MEP RAUGN
Exhibit "D"  Construction Schedule	Data Date: 1.	5-Feb-23	<b>=</b>	illiard R	ecreation ar	Remaining Level of Effort •
Construction Schedule	Run Date: 14	7-Feb-23			Fxhih	
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1979	Hilliard	Hilliard Recreation and Wellness Center				
1	Activity ID	Activity Name	Orig	Start	Finish	2023 2024 2024 2025 2025 2025 2025 2025 2025
Page	D2-2010	Pull Wire & Devices	4	18-Nov-24	21-Nov-24	I Dul With & Dul With & Specification
Conventional Interfiguement   Conv	D2-2020	Form and Pour Equipment Pads Rm 225A	4	18-Nov-24	21-Nov-24	I Form and Pour Equipment Plads Rm/2256A
20 2000-24   124-m25   1200-24   124-m25   1	D2-2060	Set and ConnectAHU / Mech Equipment	15	18-Nov-24	09-Dec-24	
1	D2-2030	Interior Finishes	8	22-Nov-24	20-Dec-24	Indeior Frisibes
Property	D2-2040	Doors and Hardware	0	23-Dec-24	23-Dec-24	I. Doğrs aind Hardwaire
The content of the	D2-2050		15	23-Dec-24	13-Jan-25	Roottop Patro
The control of the co	Stairs & Elevan					
Compared	E1-1390	Measure and Fab Starr#4	φ	04-Mar-24	04-Apr-24	Mass and Practice
The state of the control of the cont	E1-1010	Install Pan Stair #4	4	05-Apr-24	11-Apr-24	
March   Marc	E1-1020	Pour Pan Stair #4	- ļ	12-Apr-24	12-Apr-24	#### PS 64-J 10-A
The State of the	E1-1400	Measure and Fab Starr#1	10 1	12-Apr-24	06-May-24	Masserine and rabicitar #1
1   15May 24   15May	A1-1400	Measure and rad otal #2	2 4	10-Mpl-24	10 May-24	
The State of the Company of the Comp	A1-1373	Install Pan Stair #2	4	10-Mav-24	15-Mav-24	□ Install Pan Stair #2
The following series of the fo	E1-1380	Pour Pan Stair #1	~	13-May-24	13-May-24	Pour Pay 6ster#
The Start RD	A1-1383	Pour Pan Stair #2	~	16-May-24	16-May-24	1 Pour Pais Skir #2
1   10 Aug 24	B1-1160	Measure and Fab Stair #3	15	12-Jul-24	01-Aug-24	Measure and Fab St
In State #3  In Rough Pade  In Rough Signage  In Ro	B1-1000	Install Pan Stair #3	4	02-Aug-24	07-Aug-24	□ inset Pair Steries
and Visibles         S C0-16/24         OB-16/24	B1-1010	Pour Pan Stair #3	~	08-Aug-24	08-Aug-24	. Hour along in the state of t
Secretary   Contractor Purch	Final Sitewor	×				
12-Sep-24   12-Nor-24   12-N	S2-2050	Generator & XFMR Pads	5	02-Jul-24	09-Jul-24	☐ Genejrator & XFN/R Piads
## Striping & Signage  **Course Askiplations and Parking Lobs**  **Land Striping & Signage**  **Land Striping S	82-2000	Landscape & Seeding	8	12-Sep-24	05-Dec-24	Fundicapie & Sedung
15   14-Nov-24   05-0c-24   17-0c-24   17-0c-24   17-0c-24   15   14-Nov-24   15   14-Nov-24   17-0c-24   17	S2-2010	Curbs and Walks	04	19-Sep-24	13-Nov-24	Oruts aid whalks
15   Obe-24   27-Dec-24   27	82-2020	Base Course Asphalt Drives and Parking Lots	15	14-Nov-24	05-Dec-24	IIII Bjase Codyse Asthalt Drivés and Parking Lytis
Contractor Purch	S2-2030	Finish Course Asphalt Drives and Parking Lots	51	06-Dec-24	27-Dec-24	This is the seven to be received in price seven to the common of the com
- Contractor Purch - A Purchistic Contractor Purch - The Clean - Contractor Purch - Contr	S2-2040	Pavement Striping & Signage	ιΩ	30-Dec-24	03-Jan-25	ii Pavejning & Sjgrage
Contractor Purch	Punchlist					
10   OS-Jan-25   T-Jan-25   T-	Area A Punch					
3   20-lan-25   22-lan-25   12-feb-25   12-feb-25   12-feb-25   12-feb-25   12-feb-25   12-feb-25   12-feb-25   12-feb-25   12-feb-26	A-1350	Area A - Contractor Punch	10	06-Jan-25	17-Jan-25	
12 Feb-25   12 Feb-26   12 F	A-1410	Area A - AE Punchlist	က	20-Jan-25	22-Jan-25	I Area A. A.E. Punoniist
- Contractor Purch - Final Clean	A-1415	Area A - Punchlist Completion	10	23-Jan-25	05-Feb-25	
Action   10   09-Dec-24   20-Dec-24   23-Dec-24   23	A-1370	Area A - Final Clean	S	06-Feb-25	12-Feb-25	
- Contractor Purch - Contractor Purch - Actual Level of Effort - Contractor Purch - Contractor Purch - Actual Level of Effort - Construction Schedule - Contractor Purch - Contractor P	Area E Punch					
- AE Purchist - AE Purchist - Punchist Completion - Punchist Completion - Punchist Completion - Final Clean - Construction Schedule - Construction Schedule - Punchist Completion - Construction Schedule - Punchist Completion - Construction Schedule - Punchist Completion - Construction Schedule - Final Clean -	E-1410	Area E - Contractor Punch	9	09-Dec-24	20-Dec-24	
- Punchist Completion - Final Cean - Contractor Punch - Final Cean -	E-1420	Area E - AE Punchlist	က	23-Dec-24	26-Dec-24	~
- Final Clean - Contractor Purch - Construction -	E-1430	Area E - Punchist Completion	10	27-Dec-24	09-Jan-25	
- Contrador Purch - AE Purchist - Final Clean - Hilliard Recreation and Wellness Center - Construction Schedule - Contrador Purch - Actual Work - Construction Schedule - Contrador Purch - Hilliard Recreation Schedule - Contrador Purch - Actual Level of Effort - Actual Work - Construction Schedule - Contrador Purch - Actual Work - Construction Schedule - Contrador Purch - Actual Work - Construction Schedule - Contrador Purch - Actual Work - Construction Schedule - Contrador Purch - Actual Work - Construction Schedule - Contrador Purch - Actual Work - Construction Schedule - Contrador Purch - Actual Work - Contrador Purch - Actual Work - Contrador Purch - Contrador Purch - Contrador Purch - Actual Work - Contrador Purch - C	E-1375	Area E - Final Clean	2	10-Jan-25	16-Jan-25	■ Arek E. Friki Olean
1. Contrador Purch 1. Contrador Purch 1. Si 1-Ott-24 13-Noz-24 13	Area B Punch					
1. Fhal Clean  2. Fhal Clean  3. 14-Nov-24 (19-Dec-24) (19-Dec-24	B-3000	Area B - Contractor Punch	10	31-Oct-24	13-Nov-24	
1. Fhal Clean 1. Fhal Clean 2. Fhal Clean 2. Fhal Clean 3. Airea B. Phrichits Completion 3. Airea B. Phrichits Completion 4. Airea B. Phrichits Completion 4. Airea B. Phrichits Completion 5. O4-Dec-24 4. 10-Dec-24 4. 10-Dec-2	B-3010	Area B - AE Punchlist	ო	14-Nov-24	18-Nov-24	■ Area B. AE Punchist
Hilliard Recreation and Wellness Center  Exhibit "D"  Construction Schedule  Remaining Work  Construction Schedule	B-3020	Area B - Punchlist Completion	10	19-Nov-24	03-Dec-24	■ Alea ß - Punchist Completion
Hilliard Recreation and Wellness Center  Exhibit "D"  Construction Schedule  Remaining Work  Construction Schedule  Control Remaining Work	B-3030	Area B - Final Clean	5	04-Dec-24	10-Dec-24	10 AreaiB - Frail Cléan
Exhibit "D"  Construction Schedule	Data Date: 15	5-Feb-23	H	Illiard R	ecreation ar	Remaining Level of Effort •
Construction Schedule	Run Date: 15	-Feb-23			Exhib	
					Constructio	

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Hilliard R	Hilliard Recreation and Wellness Center			Ruscilli	
Activity ID	Activity Name	Orig Start	art Finish	CONSTRUCTION	10000
		JnC		2023 203   F.   M   Apr  M   J   J   J   J   J   M   Apr  M   J	2022 3 Juli A   S   Oct   N   D   3   F   M   A   M   3   Juli A   S   Oct   N   D   3   F   M   A   M   3   Juli
Area C Punch					
C-3000				09-Dec-24	Area(C-Contractor Punch
C-3010	Area C - AE Punchlist	3 10-		12-Dec-24	■ Area C -: AE Punchlist
C-3020	Area C - Punchlist Completion			27-Dec-24	The Area C - Purchillst Completion
C-3030	Area C - Final Clean		30-Dec-24 03-	03-Jan-25	Ø Area C-Final;Olean
Area D Punch					
D-1410	Area D - Contractor Punch			27-Jan-25	Area D - Contractor Punch:
D-1420	Area D - AE Punchlist			30-Jan-25	R Area D - AE Punchlist
D-1430	Area D - Punchlist Completion			13-Feb-25	■ Area D - Punchlist Completion
D-1440	Area D - Final Clean	5 14-	14-Feb-25 20-I	20-Feb-25	■ Area D Final Clean
Data Date: 15-Feb-23	Feb-23	Hilli	ard Recr	Hilliard Recreation and Wellness Center	Remaining Level of Effort  Arthur Lavel of Effort
Run Date: 15-Feb-23	Feb-23		٢	Exhibit "D" Construction School-le	Actual Work
			)	סופת מכניסו סכונסת מני	Remaining Work Critical Remaining Work
				Dags 37 of 140	

Hilliard Recreation & Wellness Center – (Addendum #2)

#### EXHIBIT "A" SCOPE OF WORK - BP#300R - BUILDING CONCRETE

This Subcontractor shall furnish all materials, equipment, labor and supervision to perform the work described in this document and in the Contract Documents with the following clarifications. Time is of the essence.

The Drawings and Specifications indicate the general Scope of Work of the Project, and as such, do not necessarily indicate or describe all work required for the full performance and acceptable completion of this Subcontractor's work. Contract is awarded with the understanding that the Subcontractor is to furnish and install all items required for proper completion of his work including but not limited to the following:

#### 1.1 CONTRACTUAL SCOPE OF WORK AND RESPONSIBILITIES:

- 1. Perform all Work as shown, indicated, described, and implied in the Contract Documents, which is required to perform the *Building Concrete* work complete in every respect.
- 2. The information provided in this Scope of Work is intended to reinforce, clarify, coordinate, and supplement the Construction Documents. In the case of conflict between the Construction Documents and this Scope of Work clarification, the more stringent requirement will apply, unless the Subcontractor is instructed differently by Ruscilli Construction Co., Inc. in writing.
- 3. Unless specifically noted otherwise, provide and pay for the following:
  - A. Supervision of the Subcontractor's operations, operations of the Subcontractor's Subcontractors, Suppliers, and other Agents of the Subcontractor.
  - B. Administrative services to meet Contract requirements for record keeping and submission of information.
  - C. Trade and craft labor (including wages, taxes, insurance, fringe benefits, and assessments).
  - D. Material, equipment and all costs for transportation to and from the job site.
  - E. Tools, miscellaneous consumable supplies, construction equipment and machinery, field offices, telephone services, parking, storage facilities, and craft labor change trailers. Subcontractor acknowledges the Project Site to be an extremely tight Construction Site. Employee parking, material

Hilliard Recreation & Wellness Center – (Addendum #2)

### EXHIBIT "A" SCOPE OF WORK - BP#300R - BUILDING CONCRETE

storage and/or field offices are to be coordinated with the Contractor, prior to the start of work at the Subcontractor's expense.

- F. Temporary protection and heating as necessary to assure completion of the work in compliance with Contract Documents and to meet the Construction Schedule. (Exhibit "F")
- G. Other manpower, equipment, facilities, and services necessary to complete and properly execute the work in an expeditious, professional, and workman-like manner.
- H. Layout and engineering for this Subcontractor's work. Layout is based upon elevations and benchmarks, <u>already established</u>, by the Contractor. Ruscilli Construction Co., Inc. will provide identification of the property corners, building corners, and finish floor reference benchmark one time.
- I. Coordination of this Subcontractor's work with that of other trades and Subcontractors.
- J. Flagman, traffic and pedestrian barriers, flashing lights, shoring and bracing, and other items as required to protect workers, the work, and others during the performance of the work under this contract.
- K. Subcontractor will provide all hoisting to complete the work of this package. No hoisting will be provided by the Contractor.
- L. The Contractor has the authority to notify the Subcontractor of improper installations, methods and procedures that must be corrected to comply with contract requirements.
- M. The Contractor is not responsible for the Subcontractor's safety compliance, methods, and procedures. Each Subcontractor will bear individual responsibility for safety compliance of his work and employees.
- 4. Unless specifically noted otherwise, schedule, secure, and pay for, as necessary for proper execution of the work, and local and state code compliance, any of the following:
  - 1. Permits related to all Subcontractors work.
  - 2. Government fees related to this Subcontractor's scope of work.
  - 3. Licenses and certifications related to this Subcontractors scope of work.

Hilliard Recreation & Wellness Center – (Addendum #2)

#### EXHIBIT "A" SCOPE OF WORK - BP#300R - BUILDING CONCRETE

- 5. Comply with local, state, and federal agencies, and other public authority's codes, ordinances, rules, orders, regulations, and legal that applies to the work.
- 7. Maintain on-site a record set of "As-Built" drawings with all deviation of existing and new construction from the Construction Documents recorded. These documents will be delivered to the Contractor prior to and as part of the final closeout submittals.
- 8. Borings and soil test data are available for information only. The Owner, Architect, Engineer, and Contractor assume no responsibility for variations of soil and water conditions not included in the data.
- 9. Project is Tax Exempt and Prevailing Wage.
- 10. Exercise care to avoid damaging existing utilities, surfaces, and structures. This Subcontractor shall repair damage to existing and new work resulting from this Subcontractor's operations at no additional cost and to the satisfaction of the Contractor.
- 11. Work included in this contract shall be executed in a timely fashion to "dry-in" the building as soon as possible. Coordinate with the Contractor and the other Subcontractors to meet this schedule milestone date.
- 12. Subcontractor shall be responsible for any/all of the following, to effectively construct the work, including but not limited to:
  - Off-site Subcontractor employee parking
  - Off-site staging
  - Off-site material storage
  - Re-delivery / staging costs to jobsite

#### 1.2 SPECIFIC SCOPE OF WORK:

**Recreation and Wellness Building Concrete** 

Specifications: All Div 00, 01 (see Hilliard Athletic Complex Site Improvement for additional Div 00 and 01), 03 30 00, 07 92 00

- 1. This Subcontractor's complete Scope of Work is not necessarily shown on the contract Drawings and Specifications. The following is intended to clarify specific categories of work and may not be complete in all respects.
- 2. Provide all material, equipment, supervision, and labor to perform the *Building Concrete* complete in every respect with the following clarifications:

Hilliard Recreation & Wellness Center – (Addendum #2)

### EXHIBIT "A" SCOPE OF WORK - BP#300R - BUILDING CONCRETE

- 3. Provide all cleanup daily for your work including street cleaning and/or street sweeping of all streets free of site construction debris while onsite.
- 4. Prior to the start of work, the Subcontractor shall be responsible to spot verify the existing site grades to re-verify existing contours.
- 5. Subcontractor shall be responsible to notify Superintendent of any existing site adverse site conditions.
- 6. A copy of the soil report is included with this package, and all work of this item shall be completed in strict conformance with the soils report, and standard practices in the area that may exceed the requirements of the soil report.
- 7. Excavation of all footings, grade beams, and foundation wall systems is responsibility of this contractor.
- 8. Interior backfill of footings and foundation systems is responsibility of this contractor.
- 9. Layout for your work. Building corners provided by others.
- 10. Furnish and install all rebar per plans and specifications for structural concrete. Furnish and install dowels in concrete foundations for masonry walls.
- 11. Includes furnish and install of all building structural concrete systems including but not limited to grade beams, step footings, matt foundations, column piers, column footings, stem wall, foundation wall systems, etc. for a complete structural concrete package.
- 12. Set anchor bolts supplied by others. All anchor bolts to be templated and poured in place. No wet setting of anchor bolts allowed.
- 13. Grout base plates.
- 14. Excavate, form, and pour elevator pit footings, walls, and slab per contract documents.
- 15. Excess spoils from structural concrete to be hauled outside of building footprint and stockpiled. Location of stockpile to be coordinated with Ruscilli (CMR).
- 16. Form and pour building slab on grade and elevated slab on metal deck per plans and specifications.

Hilliard Recreation & Wellness Center – (Addendum #2)

### EXHIBIT "A" SCOPE OF WORK - BP#300R - BUILDING CONCRETE

- 17. Site grading contractor is to provide 4" of gravel at building pad area. This contractor responsible for furnish and install of remaining building pad gravel and final dressing of gravel for building pads.
- 18. Assume there will be polished concrete finish in corridors, hallways, lobbies, and community spaces. These areas will have specific construction and contraction (control) joint patterns to be issued later and detailed on the required slab shop drawing. Do not proceed with work without an issued drawing from the Architect. (Addendum #2)
- 19. Assume there will be recessed slabs in several areas to accommodate level flooring transitions between sports flooring, tile, walk off mats and etc. Detail is representing this is 7/S0.4. (Addendum #2)
- 20. The pool subcontractor will be responsible for the work within the outline of the "Lap Pool by Others" and "Leisure Pool by Others). Concrete slab on grade to that line is included in this subcontract. Assume there will be tie into the pool or pool drain within 3 feet of this line. Coordinate all slopes and finish with final architectural, structural and pool designer details and shop drawings. (Addendum #2)
- 21. Coordinate all curing and finishes with final floor finish with the final floor finish through the CMR. (Addendum #2)
- 22. Exterior concrete is not included in this subcontract unless described specifically within these documents. (Addendum #2)
- 23. Provide waterproofing at the elevator pits. Assume it will be similar to 60-mil self-adhering sheet waterproofing system similar a system manufactured by Carlisle or Grace (Addendum #2)
- 24. Coordinate and assist with installation of all MEP sleeves through the concrete work. (Addendum #2)
- 25. Coordinate footing elevations with UG plumbing inverts with the plumber through the CMR prior to installing the work. (Addendum #2).
- 26. Install all embeds furnished by another subcontractor. (Addendum #2)

ALTERNATES (per drawings / specs)

Hilliard Recreation & Wellness Center – (Addendum #2)

## EXHIBIT "A" SCOPE OF WORK - BP#300R - BUILDING CONCRETE

#### **UNIT COST**

	(Addendum #2)	
<i>5</i> .	LF of Steel Stair Tread Concrete Fill	(Submit w/ Bid Form) \$/CY
<i>4</i> .	Blanket protection	(Submit w/ Bid Form) \$/CY
3.	Ice	(Submit w/ Bid Form) \$/CY
2.	Hot Water	(Submit w/ Bid Form) \$/CY
1.	Winter Concrete Additives	(Submit w/ Bid Form) \$/CY

Hilliard Recreation & Wellness Center – (Addendum #2)

### EXHIBIT "A" SCOPE OF WORK - BP#301R - STRUCTURAL STEEL

This Subcontractor shall furnish all materials, equipment, labor and supervision to perform the work described in this document and in the Contract Documents with the following clarifications. Time is of the essence.

The Drawings and Specifications indicate the general Scope of Work of the Project, and as such, do not necessarily indicate or describe all work required for the full performance and acceptable completion of this Subcontractor's work. Contract is awarded with the understanding that the Subcontractor is to furnish and install all items required for proper completion of his work including but not limited to the following:

#### 1.1 CONTRACTUAL SCOPE OF WORK AND RESPONSIBILITIES:

- 1. Perform all Work as shown, indicated, described, and implied in the Contract Documents, which is required to perform the *Structural Steel* work complete in every respect.
- 2. The information provided in this Scope of Work is intended to reinforce, clarify, coordinate, and supplement the Construction Documents. In the case of conflict between the Construction Documents and this Scope of Work clarification, the more stringent requirement will apply, unless the Subcontractor is instructed differently by Ruscilli Construction Co., Inc. in writing.
- 3. Unless specifically noted otherwise, provide and pay for the following:
  - A. Supervision of the Subcontractor's operations, operations of the Subcontractor's Subcontractors, Suppliers, and other Agents of the Subcontractor.
  - B. Administrative services to meet Contract requirements for record keeping and submission of information.
  - C. Trade and craft labor (including wages, taxes, insurance, fringe benefits, and assessments).
  - D. Material, equipment and all costs for transportation to and from the job site.
  - E. Tools, miscellaneous consumable supplies, construction equipment and machinery, field offices, telephone services, parking, storage facilities, and craft labor change trailers. Subcontractor acknowledges the Project Site to be an extremely tight Construction Site. Employee parking, material

Hilliard Recreation & Wellness Center – (Addendum #2)

### EXHIBIT "A" SCOPE OF WORK - BP#301R - STRUCTURAL STEEL

storage and/or field offices are to be coordinated with the Contractor, prior to the start of work at the Subcontractor's expense.

- F. Temporary protection and heating as necessary to assure completion of the work in compliance with Contract Documents and to meet the Construction Schedule. (Exhibit "F")
- G. Other manpower, equipment, facilities, and services necessary to complete and properly execute the work in an expeditious, professional, and workman-like manner.
- H. Layout and engineering for this Subcontractor's work. Layout is based upon elevations and benchmarks, <u>already established</u>, by the Contractor. Ruscilli Construction Co., Inc. will provide identification of the property corners, building corners, and finish floor reference benchmark one time.
- I. Coordination of this Subcontractor's work with that of other trades and Subcontractors.
- J. Flagman, traffic and pedestrian barriers, flashing lights, shoring and bracing, and other items as required to protect workers, the work, and others during the performance of the work under this contract.
- K. Subcontractor will provide all hoisting to complete the work of this package. No hoisting will be provided by the Contractor.
- L. The Contractor has the authority to notify the Subcontractor of improper installations, methods and procedures that must be corrected to comply with contract requirements.
- M. The Contractor is not responsible for the Subcontractor's safety compliance, methods, and procedures. Each Subcontractor will bear individual responsibility for safety compliance of his work and employees.
- 4. Unless specifically noted otherwise, schedule, secure, and pay for, as necessary for proper execution of the work, and local and state code compliance, any of the following:
  - 1. Permits related to all Subcontractors work.
  - 2. Government fees related to this Subcontractor's scope of work.
  - 3. Licenses and certifications related to this Subcontractors scope of work.

Hilliard Recreation & Wellness Center – (Addendum #2)

### EXHIBIT "A" SCOPE OF WORK - BP#301R - STRUCTURAL STEEL

- 5. Comply with local, state, and federal agencies, and other public authority's codes, ordinances, rules, orders, regulations, and legal that applies to the work.
- 7. Maintain on-site a record set of "As-Built" drawings with all deviation of existing and new construction from the Construction Documents recorded. These documents will be delivered to the Contractor prior to and as part of the final closeout submittals.
- 8. Borings and soil test data are available for information only. The Owner, Architect, Engineer, and Contractor assume no responsibility for variations of soil and water conditions not included in the data.
- 9. Project is Tax Exempt and Prevailing Wage.
- 10. Exercise care to avoid damaging existing utilities, surfaces, and structures. This Subcontractor shall repair damage to existing and new work resulting from this Subcontractor's operations at no additional cost and to the satisfaction of the Contractor.
- 11. Work included in this contract shall be executed in a timely fashion to "dry-in" the building as soon as possible. Coordinate with the Contractor and the other Subcontractors to meet this schedule milestone date.
- 12. Subcontractor shall be responsible for any/all of the following, to effectively construct the work, including but not limited to:
  - Off-site Subcontractor employee parking
  - Off-site staging
  - Off-site material storage
  - Re-delivery / staging costs to jobsite

#### 1.2 SPECIFIC SCOPE OF WORK:

#### RECREATION & WELLNESS BUILDING – STRUCTURAL STEEL

Specifications: All Div 00, 01 (see Hilliard Athletic Complex Site Improvement for additional Div 00 and 01), 05 12 00, 05 31 00, 05 51 33 and as shown on the drawings. (Addendum #2)

1. This Subcontractor's complete Scope of Work is not necessarily shown on the contract Drawings and Specifications. The following is intended to clarify specific categories of work and may not be complete in all respects.

Hilliard Recreation & Wellness Center – (Addendum #2)

## EXHIBIT "A" SCOPE OF WORK - BP#301R - STRUCTURAL STEEL

- 2. Provide all material, equipment, supervision, and labor to perform the *Structural Steel* complete in every respect with the following clarifications:
- 3. Provide all cleanup daily for your work including street cleaning and/or street sweeping of all streets free of site construction debris while onsite.
- 4. Furnish and install all structural steel beams, columns, tube steel, metal roof/floor decking, etc for a complete structural steel system.
- 5. Furnish masonry lintels to be installed by others. Coordinate with masonry shop drawings to assure proper size.
- 6. Prime paint finish of structural steel members per contract documents. Coordinate steel primer requirements for painted structure with the Painting subcontractor through the CM.
- 7. Furnish anchor bolts for column base plates to be installed by others. Assume anchor bolts will be expedited and a separate submittal and delivery will be required.
- 8. Framing for all mechanical equipment supports.
- 9. Furnish and install elevator hoist beams.
- 10. Includes all hoisting equipment and man lifts for your work.
- 11. Roof and floor steel decking to be by this contactor.
- 12. Coordinate all shop primers and areas not requiring primer with CMR through out the shop drawings and submittal progress and confirm with the painting and CMR prior to shop painting the steel. (Addendum #2)
- 13. Assume there will be BIM coordination with other trades, including but not limited to MEP. (Addendum #2)
- 14. Steel Grating is not included in this subcontract. Assume there will be an edge angle provided by this contractor to received the grating provided by another subcontractor. (Addendum #2)

Hilliard Recreation & Wellness Center – (Addendum #2)

## EXHIBIT "A" SCOPE OF WORK - BP#301R - STRUCTURAL STEEL

ALTERNATES (per drawings / specs)

UNIT COST		
(10) Ton Misc. Steel for Open	nings \$	(Addendum #2)
(20) Mag Drill Penetrations	in steel \$	(Addendum #2
(10) Torch cut Penetrations i	in steel \$	(Addendum #2
(20) Moment Welds	\$	(Addendum #2)

Hilliard Recreation & Wellness Center – (Addendum #2)

#### EXHIBIT "A" SCOPE OF WORK - BP#302R - ROOFING

This Subcontractor shall furnish all materials, equipment, labor and supervision to perform the work described in this document and in the Contract Documents with the following clarifications. Time is of the essence.

The Drawings and Specifications indicate the general Scope of Work of the Project, and as such, do not necessarily indicate or describe all work required for the full performance and acceptable completion of this Subcontractor's work. Contract is awarded with the understanding that the Subcontractor is to furnish and install all items required for proper completion of his work including but not limited to the following:

#### 1.1 CONTRACTUAL SCOPE OF WORK AND RESPONSIBILITIES:

- 1. Perform all Work as shown, indicated, described, and implied in the Contract Documents, which is required to perform the *Roofing* work complete in every respect.
- 2. The information provided in this Scope of Work is intended to reinforce, clarify, coordinate, and supplement the Construction Documents. In the case of conflict between the Construction Documents and this Scope of Work clarification, the more stringent requirement will apply, unless the Subcontractor is instructed differently by Ruscilli Construction Co., Inc. in writing.
- 3. Unless specifically noted otherwise, provide and pay for the following:
  - A. Supervision of the Subcontractor's operations, operations of the Subcontractor's Subcontractors, Suppliers, and other Agents of the Subcontractor.
  - B. Administrative services to meet Contract requirements for record keeping and submission of information.
  - C. Trade and craft labor (including wages, taxes, insurance, fringe benefits, and assessments).
  - D. Material, equipment, and all costs for transportation to and from the job site.
  - E. Tools, miscellaneous consumable supplies, construction equipment and machinery, field offices, telephone services, parking, storage facilities, and craft labor change trailers. Subcontractor acknowledges the Project Site to be an extremely tight Construction Site. Employee parking, material

Hilliard Recreation & Wellness Center – (Addendum #2)

#### EXHIBIT "A" SCOPE OF WORK - BP#302R - ROOFING

storage and/or field offices are to be coordinated with the Contractor, prior to the start of work at the Subcontractor's expense.

- F. Temporary protection and heating as necessary to assure completion of the work in compliance with Contract Documents and to meet the Construction Schedule. (Exhibit "F")
- G. Other manpower, equipment, facilities, and services necessary to complete and properly execute the work in an expeditious, professional, and workman-like manner.
- H. Layout and engineering for this Subcontractor's work. Layout is based upon elevations and benchmarks, <u>already established</u>, by the Contractor. Ruscilli Construction Co., Inc. will provide identification of the property corners, building corners, and finish floor reference benchmark one time.
- I. Coordination of this Subcontractor's work with that of other trades and Subcontractors.
- J. Flagman, traffic and pedestrian barriers, flashing lights, shoring and bracing, and other items as required to protect workers, the work, and others during the performance of the work under this contract.
- K. Subcontractor will provide all hoisting to complete the work of this package. No hoisting will be provided by the Contractor.
- L. The Contractor has the authority to notify the Subcontractor of improper installations, methods and procedures that must be corrected to comply with contract requirements.
- M. The Contractor is not responsible for the Subcontractor's safety compliance, methods, and procedures. Each Subcontractor will bear individual responsibility for safety compliance of his work and employees.
- 4. Unless specifically noted otherwise, schedule, secure, and pay for, as necessary for proper execution of the work, and local and state code compliance, any of the following:
  - 1. Permits related to all Subcontractors work.
  - 2. Government fees related to this Subcontractor's scope of work.
  - 3. Licenses and certifications related to this Subcontractors scope of work.

Hilliard Recreation & Wellness Center – (Addendum #2)

#### EXHIBIT "A" SCOPE OF WORK - BP#302R - ROOFING

- 5. Comply with local, state, and federal agencies, and other public authority's codes, ordinances, rules, orders, regulations, and legal that applies to the work.
- 7. Maintain on-site a record set of "As-Built" drawings with all deviation of existing and new construction from the Construction Documents recorded. These documents will be delivered to the Contractor prior to and as part of the final closeout submittals.
- 8. Borings and soil test data are available for information only. The Owner, Architect, Engineer, and Contractor assume no responsibility for variations of soil and water conditions not included in the data.
- 9. Project is Tax Exempt and Prevailing Wage.
- 10. Exercise care to avoid damaging existing utilities, surfaces, and structures. This Subcontractor shall repair damage to existing and new work resulting from this Subcontractor's operations at no additional cost and to the satisfaction of the Contractor.
- 11. Work included in this contract shall be executed in a timely fashion to "dry-in" the building as soon as possible. Coordinate with the Contractor and the other Subcontractors to meet this schedule milestone date.
- 12. Subcontractor shall be responsible for any/all of the following, to effectively construct the work, including but not limited to:
  - Off-site Subcontractor employee parking
  - Off-site staging
  - Off-site material storage
  - Re-delivery / staging costs to jobsite

#### 1.2 SPECIFIC SCOPE OF WORK:

#### RECREATION & WELLNESS BUILDING - ROOFING

All Div 00, 01 (see Hilliard Athletic Complex Site Improvement for additional Div 00 and 01), 07 05 00, 07 41 13.13, 07 53 23, 07 62, 00, 07 71 00, 07 72 00, 07 72 53, 07 92 00, 08 63 19.

1. This Subcontractor's complete Scope of Work is not necessarily shown on the contract Drawings and Specifications. The following is intended to clarify specific categories of work and may not be complete in all respects.

Hilliard Recreation & Wellness Center – (Addendum #2)

#### EXHIBIT "A" SCOPE OF WORK - BP#302R - ROOFING

- 2. Provide all material, equipment, supervision, and labor to perform the *Roofing* complete in every respect with the following clarifications:
- 3. Provide all Standing-seem roofing complete.
- 4. Provide complete EPDM mechanically fastened roofing systems including rigid insulation, flashings, termination bars, joint sealants, gravel stops, substrate boards, cover boards, vapor barriers, etc. for a complete roofing system per plans and specifications.
- 5. Provide all caulking, flashing and trim as related the roofing work in bid package to provide a complete system.
- 6. Furnish and install all required flashings for roof penetrations by other contractors.
- 7. Temporary protection and enclosure of the roof during installation shall be done daily to assure a weather tightness and protect the roofing system.
- 8. Provide complete all copings.
- 9. Provide complete all roof specialties, roof accessories, and snow guards as required.
- 10. Provide cleanup daily for your work.
- 11. Provide a full time working superintendent.
- 12. Provide mineral wool insulation and spray foam shown at locations, like the expansion joint Detail 12/A5.7 and areas that are best accessed while the roofing is being installed. (Addendum #2)
- 13. Provide all work related to this subcontractor's scope of work to prepare the mockup(s) as described within the documents. (Addendum #2)

ALTERNATES (per drawings / specs)

**UNIT COST** (per drawings / specs)

### EXHIBIT "A" SCOPE OF WORK - BP#303F - SITE & BUILDING CONCRETE

This Subcontractor shall furnish all materials, equipment, labor and supervision to perform the work described in this document and in the Contract Documents with the following clarifications. Time is of the essence.

The Drawings and Specifications indicate the general Scope of Work of the Project, and as such, do not necessarily indicate or describe all work required for the full performance and acceptable completion of this Subcontractor's work. Contract is awarded with the understanding that the Subcontractor is to furnish and install all items required for proper completion of his work including but not limited to the following:

- 1. Perform all Work as shown, indicated, described, and implied in the Contract Documents, which is required to perform the *Building and Site Concrete* work complete in every respect.
- 2. The information provided in this Scope of Work is intended to reinforce, clarify, coordinate, and supplement the Construction Documents. In the case of conflict between the Construction Documents and this Scope of Work clarification, the more stringent requirement will apply, unless the Subcontractor is instructed differently by Ruscilli Construction Co., Inc. in writing.
- 3. Unless specifically noted otherwise, provide and pay for the following:
  - A. Supervision of the Subcontractor's operations, operations of the Subcontractor's Subcontractors, Suppliers, and other Agents of the Subcontractor.
  - B. Administrative services to meet Contract requirements for record keeping and submission of information.
  - C. Trade and craft labor (including wages, taxes, insurance, fringe benefits, and assessments).
  - D. Material, equipment and all costs for transportation to and from the job site.
  - E. Tools, miscellaneous consumable supplies, construction equipment and machinery, field offices, telephone services, parking, storage facilities, and craft labor change trailers. Subcontractor acknowledges the Project Site to be an extremely tight Construction Site. Employee parking, material

### EXHIBIT "A" SCOPE OF WORK - BP#303F - SITE & BUILDING CONCRETE

- F. Temporary protection and heating as necessary to assure completion of the work in compliance with Contract Documents and to meet the Construction Schedule. (Exhibit "F")
- G. Other manpower, equipment, facilities, and services necessary to complete and properly execute the work in an expeditious, professional, and workman-like manner.
- H. Layout and engineering for this Subcontractor's work. Layout is based upon elevations and benchmarks, <u>already established</u>, by the Contractor. Ruscilli Construction Co., Inc. will provide identification of the property corners, building corners, and finish floor reference benchmark one time.
- I. Coordination of this Subcontractor's work with that of other trades and Subcontractors.
- J. Flagman, traffic and pedestrian barriers, flashing lights, shoring and bracing, and other items as required to protect workers, the work, and others during the performance of the work under this contract.
- K. Subcontractor will provide all hoisting to complete the work of this package. No hoisting will be provided by the Contractor.
- L. The Contractor has the authority to notify the Subcontractor of improper installations, methods and procedures that must be corrected to comply with contract requirements.
- M. The Contractor is not responsible for the Subcontractor's safety compliance, methods, and procedures. Each Subcontractor will bear individual responsibility for safety compliance of his work and employees.
- 4. Unless specifically noted otherwise, schedule, secure, and pay for, as necessary for proper execution of the work, and local and state code compliance, any of the following:
  - 1. Permits related to all Subcontractors work.
  - 2. Government fees related to this Subcontractor's scope of work.
  - 3. Licenses and certifications related to this Subcontractors scope of work.

## EXHIBIT "A" SCOPE OF WORK - BP#303F - SITE & BUILDING CONCRETE

- 5. Comply with local, state, and federal agencies, and other public authority's codes, ordinances, rules, orders, regulations, and legal that applies to the work.
- 7. Maintain on-site a record set of "As-Built" drawings with all deviation of existing and new construction from the Construction Documents recorded. These documents will be delivered to the Contractor prior to and as part of the final closeout submittals.
- 8. Borings and soil test data are available for information only. The Owner, Architect, Engineer, and Contractor assume no responsibility for variations of soil and water conditions not included in the data.
- 9. Project is Tax Exempt and Prevailing Wage.
- 10. Exercise care to avoid damaging existing utilities, surfaces, and structures. This Subcontractor shall repair damage to existing and new work resulting from this Subcontractor's operations at no additional cost and to the satisfaction of the Contractor.
- 11. Work included in this contract shall be executed in a timely fashion to "dry-in" the building as soon as possible. Coordinate with the Contractor and the other Subcontractors to meet this schedule milestone date.
- 12. Subcontractor shall be responsible for any/all of the following, to effectively construct the work, including but not limited to:
  - Off-site Subcontractor employee parking
  - Off-site staging
  - Off-site material storage
  - Re-delivery / staging costs to jobsite

#### 1.2 SPECIFIC SCOPE OF WORK:

#### ATHLETIC COMPLEX - SITE & BUILDING CONCRETE

Specifications: All Div 00, 01, 03 30 00, 07 92 00, 03 20 00, 03 30 00, 32 11 23, 31 23 17, 32 13 13

- 1. This Subcontractor's complete Scope of Work is not necessarily shown on the contract Drawings and Specifications. The following is intended to clarify specific categories of work and may not be complete in all respects.
- 2. Provide all material, equipment, supervision, and labor to perform the *Building* and *Site Concrete* complete in every respect with the following clarifications:

### EXHIBIT "A" SCOPE OF WORK - BP#303F - SITE & BUILDING CONCRETE

- 3. Provide all cleanup daily for your work including street cleaning and/or street sweeping of all streets free of site construction debris while onsite.
- 4. Prior to the start of work, the Subcontractor shall be responsible to spot verify the existing site grades to re-verify existing contours.
- 5. Subcontractor shall be responsible to notify Superintendent of any existing site adverse site conditions.
- 6. A copy of the soil report is included with this package, and all work of this item shall be completed in strict conformance with the soils report, and standard practices in the area that may exceed the requirements of the soil report.
- 7. Excavation of all footings, grade beams, and foundation wall systems is responsibility of this contractor.
- 8. Interior backfill of footings is responsibility of this contractor.
- 9. Layout for your work. Building corners provided by others.
- 10. Furnish and install all rebar per plans and specifications for structural concrete. Furnish and install dowels in concrete foundations for masonry walls.
- 11. Includes furnish and install of all building structural concrete systems including but not limited to grade beams, step footings, column piers, column footings, etc. for a complete structural concrete package.
- 12. Set anchor bolts supplied by others. All anchor bolts to be templated and poured in place. No wet setting of anchor bolts allowed.
- 13. Excess spoils from structural concrete to be hauled outside of building footprint and stockpiled. Location of stockpile to be coordinated with Ruscilli.
- 14. Includes building slab on grade with all reinforcing bar and vapor barrier.
- 15. Includes fine grading for your work.
- 16. Site concrete sidewalks and gravel per plans and specification.
- 17. Heavy duty concrete paving and aggregate base included under this scope of work.

ATHLETIC COMPLEX – (Addendum #2)

### EXHIBIT "A" SCOPE OF WORK - BP#303F - SITE & BUILDING CONCRETE

- 18. Final dressing of building slab on grade aggregate to be by this subcontractor.
- 19. Furnish and install all concrete curbs per plans and specifications. Backfill of curbs to be by others.
- 20. Includes excavation, setting, and pouring of steel bollards. Steel bollards to be supplied by this contractor.
- 21. Sidewalk, paving, and slab on grade joint caulking to be included under this scope of work.
- 22. Excavate and pour concrete curb at synthetic turf fields per plans and specifications. (Adden #2)
- 23. Provide caulking of all concrete joints and where concrete abuts work by others as shown on the contract drawings. (Adden #2)
- 24. The Turf Perimeter Concrete Curb (detail 2/PF3.01 and 3/PF3.01) will be provided by the synthetic turf subcontractor. Coordinate with subcontractor providing the fencing work shown in detail 3. (Adden #2)

#### **ALTERNATES**

A.) Pavilion Future Concession Area

**UNIT COST** 

#### EXHIBIT "A" SCOPE OF WORK - BP#304F - MASONRY

This Subcontractor shall furnish all materials, equipment, labor and supervision to perform the work described in this document and in the Contract Documents with the following clarifications. Time is of the essence.

The Drawings and Specifications indicate the general Scope of Work of the Project, and as such, do not necessarily indicate or describe all work required for the full performance and acceptable completion of this Subcontractor's work. Contract is awarded with the understanding that the Subcontractor is to furnish and install all items required for proper completion of his work including but not limited to the following:

- 1. Perform all Work as shown, indicated, described, and implied in the Contract Documents, which is required to perform the *Masonry* work complete in every respect.
- 2. The information provided in this Scope of Work is intended to reinforce, clarify, coordinate, and supplement the Construction Documents. In the case of conflict between the Construction Documents and this Scope of Work clarification, the more stringent requirement will apply, unless the Subcontractor is instructed differently by Ruscilli Construction Co., Inc. in writing.
- 3. Unless specifically noted otherwise, provide and pay for the following:
  - A. Supervision of the Subcontractor's operations, operations of the Subcontractor's Subcontractors, Suppliers, and other Agents of the Subcontractor.
  - B. Administrative services to meet Contract requirements for record keeping and submission of information.
  - C. Trade and craft labor (including wages, taxes, insurance, fringe benefits, and assessments).
  - D. Material, equipment and all costs for transportation to and from the job site.
  - E. Tools, miscellaneous consumable supplies, construction equipment and machinery, field offices, telephone services, parking, storage facilities, and craft labor change trailers. Subcontractor acknowledges the Project Site to be an extremely tight Construction Site. Employee parking, material

#### EXHIBIT "A" SCOPE OF WORK - BP#304F - MASONRY

- F. Temporary protection and heating as necessary to assure completion of the work in compliance with Contract Documents and to meet the Construction Schedule. (Exhibit "F")
- G. Other manpower, equipment, facilities, and services necessary to complete and properly execute the work in an expeditious, professional, and workman-like manner.
- H. Layout and engineering for this Subcontractor's work. Layout is based upon elevations and benchmarks, <u>already established</u>, by the Contractor. Ruscilli Construction Co., Inc. will provide identification of the property corners, building corners, and finish floor reference benchmark one time.
- I. Coordination of this Subcontractor's work with that of other trades and Subcontractors.
- J. Flagman, traffic and pedestrian barriers, flashing lights, shoring and bracing, and other items as required to protect workers, the work, and others during the performance of the work under this contract.
- K. Subcontractor will provide all hoisting to complete the work of this package. No hoisting will be provided by the Contractor.
- L. The Contractor has the authority to notify the Subcontractor of improper installations, methods and procedures that must be corrected to comply with contract requirements.
- M. The Contractor is not responsible for the Subcontractor's safety compliance, methods, and procedures. Each Subcontractor will bear individual responsibility for safety compliance of his work and employees.
- 4. Unless specifically noted otherwise, schedule, secure, and pay for, as necessary for proper execution of the work, and local and state code compliance, any of the following:
  - 1. Permits related to all Subcontractors work.
  - 2. Government fees related to this Subcontractor's scope of work.
  - 3. Licenses and certifications related to this Subcontractors scope of work.

#### EXHIBIT "A" SCOPE OF WORK - BP#304F - MASONRY

- 5. Comply with local, state, and federal agencies, and other public authority's codes, ordinances, rules, orders, regulations, and legal that applies to the work.
- 7. Maintain on-site a record set of "As-Built" drawings with all deviation of existing and new construction from the Construction Documents recorded. These documents will be delivered to the Contractor prior to and as part of the final closeout submittals.
- 8. Borings and soil test data are available for information only. The Owner, Architect, Engineer, and Contractor assume no responsibility for variations of soil and water conditions not included in the data.
- 9. Project is Tax Exempt and Prevailing Wage.
- 10. Exercise care to avoid damaging existing utilities, surfaces, and structures. This Subcontractor shall repair damage to existing and new work resulting from this Subcontractor's operations at no additional cost and to the satisfaction of the Contractor.
- 11. Work included in this contract shall be executed in a timely fashion to "dry-in" the building as soon as possible. Coordinate with the Contractor and the other Subcontractors to meet this schedule milestone date.
- 12. Subcontractor shall be responsible for any/all of the following, to effectively construct the work, including but not limited to:
  - Off-site Subcontractor employee parking
  - Off-site staging
  - Off-site material storage
  - Re-delivery / staging costs to jobsite

#### 1.2 SPECIFIC SCOPE OF WORK:

#### ATHLETIC COMPLEX MASONRY

Specifications: All Div 00, 01, 04 72 00, 07 19 00, 07 21 00, 07 27 26, 07 92 00, (Addendum 2)

1. This Subcontractor's complete Scope of Work is not necessarily shown on the contract Drawings and Specifications. The following is intended to clarify specific categories of work and may not be complete in all respects.

#### EXHIBIT "A" SCOPE OF WORK - BP#304F - MASONRY

- 2. Provide all material, equipment, supervision, and labor to perform the *Masonry* complete in every respect with the following clarifications:
- 3. Provide all cleanup daily for your work.
- 4. Furnish and install all CMU, flashings, weeps, reinforcing bars, etc. for a complete masonry system per plans and specifications.
- 5. Cultured cast stone at CMU walls and column piers to be by this contractor
- 6. Includes all reinforcing and grouting of CMU for your work.
- 7. Install metal door frames in masonry walls.
- 8. Air/water barrier on masonry walls to be furnished and installed by this contractor.
- 9. This contractor to include furnish and install of rigid insulation on masonry walls per plans and specifications.
- 10. Includes all caulking of control joints and all cast stone masonry joints to be caulked.

**ALTERNATES** (as per drawings and specifications)

**UNIT COSTS** (as per drawings and specifications)

## EXHIBIT "A" SCOPE OF WORK - BP#306F - CARPENTRY

This Subcontractor shall furnish all materials, equipment, labor and supervision to perform the work described in this document and in the Contract Documents with the following clarifications. Time is of the essence.

The Drawings and Specifications indicate the general Scope of Work of the Project, and as such, do not necessarily indicate or describe all work required for the full performance and acceptable completion of this Subcontractor's work. Contract is awarded with the understanding that the Subcontractor is to furnish and install all items required for proper completion of his work including but not limited to the following:

- 1. Perform all Work as shown, indicated, described, and implied in the Contract Documents, which is required to perform the *Carpentry* work complete in every respect.
- 2. The information provided in this Scope of Work is intended to reinforce, clarify, coordinate, and supplement the Construction Documents. In the case of conflict between the Construction Documents and this Scope of Work clarification, the more stringent requirement will apply, unless the Subcontractor is instructed differently by Ruscilli Construction Co., Inc. in writing.
- 3. <u>Unless specifically noted otherwise, provide and pay for the following:</u>
  - A. Supervision of the Subcontractor's operations, operations of the Subcontractor's Subcontractors, Suppliers, and other Agents of the Subcontractor.
  - B. Administrative services to meet Contract requirements for record keeping and submission of information.
  - C. Trade and craft labor (including wages, taxes, insurance, fringe benefits, and assessments).
  - D. Material, equipment and all costs for transportation to and from the job site.
  - E. Tools, miscellaneous consumable supplies, construction equipment and machinery, field offices, telephone services, parking, storage facilities, and craft labor change trailers. Subcontractor acknowledges the Project Site to be an extremely tight Construction Site. Employee parking, material

### EXHIBIT "A" SCOPE OF WORK - BP#306F - CARPENTRY

- F. Temporary protection and heating as necessary to assure completion of the work in compliance with Contract Documents and to meet the Construction Schedule. (Exhibit "F")
- G. Other manpower, equipment, facilities, and services necessary to complete and properly execute the work in an expeditious, professional, and workman-like manner.
- H. Layout and engineering for this Subcontractor's work. Layout is based upon elevations and benchmarks, <u>already established</u>, by the Contractor. Ruscilli Construction Co., Inc. will provide identification of the property corners, building corners, and finish floor reference benchmark one time.
- I. Coordination of this Subcontractor's work with that of other trades and Subcontractors.
- J. Flagman, traffic and pedestrian barriers, flashing lights, shoring and bracing, and other items as required to protect workers, the work, and others during the performance of the work under this contract.
- K. Subcontractor will provide all hoisting to complete the work of this package. No hoisting will be provided by the Contractor.
- L. The Contractor has the authority to notify the Subcontractor of improper installations, methods and procedures that must be corrected to comply with contract requirements.
- M. The Contractor is not responsible for the Subcontractor's safety compliance, methods, and procedures. Each Subcontractor will bear individual responsibility for safety compliance of his work and employees.
- 4. Unless specifically noted otherwise, schedule, secure, and pay for, as necessary for proper execution of the work, and local and state code compliance, any of the following:
  - 1. Permits related to all Subcontractors work.
  - 2. Government fees related to this Subcontractor's scope of work.
  - 3. Licenses and certifications related to this Subcontractors scope of work.

## EXHIBIT "A" SCOPE OF WORK - BP#306F - CARPENTRY

- 5. Comply with local, state, and federal agencies, and other public authority's codes, ordinances, rules, orders, regulations, and legal that applies to the work.
- 7. Maintain on-site a record set of "As-Built" drawings with all deviation of existing and new construction from the Construction Documents recorded. These documents will be delivered to the Contractor prior to and as part of the final closeout submittals.
- 8. Borings and soil test data are available for information only. The Owner, Architect, Engineer, and Contractor assume no responsibility for variations of soil and water conditions not included in the data.
- 9. Project is Tax Exempt and Prevailing Wage.
- 10. Exercise care to avoid damaging existing utilities, surfaces, and structures. This Subcontractor shall repair damage to existing and new work resulting from this Subcontractor's operations at no additional cost and to the satisfaction of the Contractor.
- 11. Work included in this contract shall be executed in a timely fashion to "dry-in" the building as soon as possible. Coordinate with the Contractor and the other Subcontractors to meet this schedule milestone date.
- 12. Subcontractor shall be responsible for any/all of the following, to effectively construct the work, including but not limited to:
  - Off-site Subcontractor employee parking
  - Off-site staging
  - Off-site material storage
  - Re-delivery / staging costs to jobsite

#### 1.2 SPECIFIC SCOPE OF WORK:

#### ATHLETIC COMPLEX CARPENTRY

Specifications: All Div 00, 01, 06 10 00, 06 13 00, 06 16 00, 06 17 53, 07 14 16, 07 21 00, 07 27 26, 07 46 46, 07 92 00, 08 11 13, 08 71 00, 08 11 13, 10 21 13.17 (Addendum 2)

1. This Subcontractor's complete Scope of Work is not necessarily shown on the contract Drawings and Specifications. The following is intended to clarify specific categories of work and may not be complete in all respects.

## EXHIBIT "A" SCOPE OF WORK - BP#306F - CARPENTRY

- 2. Provide all material, equipment, supervision, and labor to perform the *Carpentry* complete in every respect with the following clarifications:
- 3. Provide all cleanup daily for your work to dumpsters provided by others.
- 4. Furnish and install pre-engineered wood trusses and framing, heavy timber columns, heavy timber trusses, blocking, top plates ledger boards, roof sheathing, exterior wall sheathing, fascia boards, etc. for a complete wood framed carpentry system.
- 5. This subcontractor to include all accessories associated with a complete rough carpentry package, including but not limited to fasteners, Simpson hardware, etc.
- 6. Furnish and install metal stud framing and drywall at plumbing chases as shown in the contract documents.
- 7. Includes metal stud ceiling framing and drywall per plans and specifications.
- 8. All drywall finishing to be by this contractor.
- 9. Acoustical ceilings as shown in contract documents.
- 10. Furnish and install division 10 specialties including but not limited to toilet accessories (i.e. grab bars, TP dispensers, baby changing stations etc.), toilet partitions,
- 11. Includes furnish and install of fiber cement siding including all flashings, furring, fascia board, caulking, and accessories for a complete siding system installation.
- 12. Provide all painting of interior and exterior items, including but not limited to paint, ceilings, door frames, HM doors, seal/stain heavy timbers, siding, bollards, fencing and etc.
- 13. Batt insulation to be furnish and installed by this contractor per the plans and specifications.
- 14. Furnish and install rigid insulation behind all fiber cement siding per the contract documents.
- 15. Includes painting and staining of dumpster enclosure fence, 4-rail fence system, and

## EXHIBIT "A" SCOPE OF WORK - BP#306F - CARPENTRY

- 16. Polished and sealed concrete floors as noted on the contract documents to be by this contractor.
- 17. Floor base to be furnish and installed per plans and specifications.
- 18. Floor protection to be by this contractor.
- 19. Furnish and install all hollow metal doors, frames, and hardware per contract documents.
- 20. Provide wood framing for Roofing and wall mock up per the related spec sections (Adden 2).

#### 1.3 ALTERNATE

A.) Future Concession Area of Athletic Complex Building – Provide alternate for future concession area of building as shown including drywall/framing, paint, flooring, doors, siding, sliding window system, walk up counter, insulation, division 10 specialties, and rough carpentry items.

## EXHIBIT "A" SCOPE OF WORK - BP#307F - ROOFING

This Subcontractor shall furnish all materials, equipment, labor and supervision to perform the work described in this document and in the Contract Documents with the following clarifications. Time is of the essence.

The Drawings and Specifications indicate the general Scope of Work of the Project, and as such, do not necessarily indicate or describe all work required for the full performance and acceptable completion of this Subcontractor's work. Contract is awarded with the understanding that the Subcontractor is to furnish and install all items required for proper completion of his work including but not limited to the following:

- 1. Perform all Work as shown, indicated, described, and implied in the Contract Documents, which is required to perform the *Roofing* work complete in every respect.
- 2. The information provided in this Scope of Work is intended to reinforce, clarify, coordinate, and supplement the Construction Documents. In the case of conflict between the Construction Documents and this Scope of Work clarification, the more stringent requirement will apply, unless the Subcontractor is instructed differently by Ruscilli Construction Co., Inc. in writing.
- 3. Unless specifically noted otherwise, provide and pay for the following:
  - A. Supervision of the Subcontractor's operations, operations of the Subcontractor's Subcontractors, Suppliers, and other Agents of the Subcontractor.
  - B. Administrative services to meet Contract requirements for record keeping and submission of information.
  - C. Trade and craft labor (including wages, taxes, insurance, fringe benefits, and assessments).
  - D. Material, equipment and all costs for transportation to and from the job site.
  - E. Tools, miscellaneous consumable supplies, construction equipment and machinery, field offices, telephone services, parking, storage facilities, and craft labor change trailers. Subcontractor acknowledges the Project Site to be an extremely tight Construction Site. Employee parking, material

### EXHIBIT "A" SCOPE OF WORK - BP#307F - ROOFING

- F. Temporary protection and heating as necessary to assure completion of the work in compliance with Contract Documents and to meet the Construction Schedule. (Exhibit "F")
- G. Other manpower, equipment, facilities, and services necessary to complete and properly execute the work in an expeditious, professional, and workman-like manner.
- H. Layout and engineering for this Subcontractor's work. Layout is based upon elevations and benchmarks, <u>already established</u>, by the Contractor. Ruscilli Construction Co., Inc. will provide identification of the property corners, building corners, and finish floor reference benchmark one time.
- I. Coordination of this Subcontractor's work with that of other trades and Subcontractors.
- J. Flagman, traffic and pedestrian barriers, flashing lights, shoring and bracing, and other items as required to protect workers, the work, and others during the performance of the work under this contract.
- K. Subcontractor will provide all hoisting to complete the work of this package. No hoisting will be provided by the Contractor.
- L. The Contractor has the authority to notify the Subcontractor of improper installations, methods and procedures that must be corrected to comply with contract requirements.
- M. The Contractor is not responsible for the Subcontractor's safety compliance, methods, and procedures. Each Subcontractor will bear individual responsibility for safety compliance of his work and employees.
- 4. Unless specifically noted otherwise, schedule, secure, and pay for, as necessary for proper execution of the work, and local and state code compliance, any of the following:
  - 1. Permits related to all Subcontractors work.
  - 2. Government fees related to this Subcontractor's scope of work.
  - 3. Licenses and certifications related to this Subcontractors scope of work.

## EXHIBIT "A" SCOPE OF WORK - BP#307F - ROOFING

- 5. Comply with local, state, and federal agencies, and other public authority's codes, ordinances, rules, orders, regulations, and legal that applies to the work.
- 7. Maintain on-site a record set of "As-Built" drawings with all deviation of existing and new construction from the Construction Documents recorded. These documents will be delivered to the Contractor prior to and as part of the final closeout submittals.
- 8. Borings and soil test data are available for information only. The Owner, Architect, Engineer, and Contractor assume no responsibility for variations of soil and water conditions not included in the data.
- 9. Project is Tax Exempt and Prevailing Wage.
- 10. Exercise care to avoid damaging existing utilities, surfaces, and structures. This Subcontractor shall repair damage to existing and new work resulting from this Subcontractor's operations at no additional cost and to the satisfaction of the Contractor.
- 11. Work included in this contract shall be executed in a timely fashion to "dry-in" the building as soon as possible. Coordinate with the Contractor and the other Subcontractors to meet this schedule milestone date.
- 12. Subcontractor shall be responsible for any/all of the following, to effectively construct the work, including but not limited to:
  - Off-site Subcontractor employee parking
  - Off-site staging
  - Off-site material storage
  - Re-delivery / staging costs to jobsite

#### 1.2 SPECIFIC SCOPE OF WORK:

#### ATHLETIC COMPLEX ROOFING

Specifications: All Div 00, 01, 07 41 13.1621 00, 07 27 26, 07 92 00, (Addendum 2)

1. This Subcontractor's complete Scope of Work is not necessarily shown on the contract Drawings and Specifications. The following is intended to clarify specific categories of work and may not be complete in all respects.

## EXHIBIT "A" SCOPE OF WORK - BP#307F - ROOFING

- 2. Provide all material, equipment, supervision, and labor to perform the *Roofing* complete in every respect with the following clarifications:
- 3. Provide all cleanup daily for your work to dumpster provided by others.
- 4. Furnish and install standing seam metal roof system including but not limited to standing seam metal roofing, ice and water shield, drip edge, rubberized asphalt underlayment, and all misc accessories required for a complete roof system installation.
- 5. Furnish and install gutters and downspouts per plans and specifications.
- 6. Includes all hoisting and man lifts for your work.

**ALTERNATES** (per the documents)

**UNIT COSTS** (per the documents)

Athletic Field Complex

#### EXHIBIT "A" SCOPE OF WORK - PLUMBING

This Subcontractor shall furnish all materials, equipment, labor and supervision to perform the work described in this document and in the Contract Documents with the following clarifications. Time is of the essence.

The Drawings and Specifications indicate the general Scope of Work of the Project, and as such, do not necessarily indicate or describe all work required for the full performance and acceptable completion of this Subcontractor's work. Contract is awarded with the understanding that the Subcontractor is to furnish and install all items required for proper completion of his work including but not limited to the following:

- 1. Perform all Work as shown, indicated, described, and implied in the Contract Documents, which is required to perform the *Plumbing* work complete in every respect.
- 2. The information provided in this Scope of Work is intended to reinforce, clarify, coordinate, and supplement the Construction Documents. In the case of conflict between the Construction Documents and this Scope of Work clarification, the more stringent requirement will apply, unless the Subcontractor is instructed differently by Ruscilli Construction Co., Inc. in writing.
- 3. Unless specifically noted otherwise, provide and pay for the following:
  - A. Supervision of the Subcontractor's operations, operations of the Subcontractor's Subcontractors, Suppliers, and other Agents of the Subcontractor.
  - B. Administrative services to meet Contract requirements for record keeping and submission of information.
  - C. Trade and craft labor (including wages, taxes, insurance, fringe benefits, and assessments).
  - D. Material, equipment and all costs for transportation to and from the job site.
  - E. Tools, miscellaneous consumable supplies, construction equipment and machinery, field offices, telephone services, parking, storage facilities, and craft labor change trailers. Subcontractor acknowledges the Project Site to be an extremely tight Construction Site. Employee parking, material

Athletic Field Complex

### EXHIBIT "A" SCOPE OF WORK - PLUMBING

- F. Temporary protection and heating as necessary to assure completion of the work in compliance with Contract Documents and to meet the Construction Schedule. (Exhibit "F")
- G. Other manpower, equipment, facilities, and services necessary to complete and properly execute the work in an expeditious, professional, and workman-like manner.
- H. Layout and engineering for this Subcontractor's work. Layout is based upon elevations and benchmarks, <u>already established</u>, by the Contractor. Ruscilli Construction Co., Inc. will provide identification of the property corners, building corners, and finish floor reference benchmark one time.
- I. Coordination of this Subcontractor's work with that of other trades and Subcontractors.
- J. Flagman, traffic and pedestrian barriers, flashing lights, shoring and bracing, and other items as required to protect workers, the work, and others during the performance of the work under this contract.
- K. Subcontractor will provide all hoisting to complete the work of this package. No hoisting will be provided by the Contractor.
- L. The Contractor has the authority to notify the Subcontractor of improper installations, methods and procedures that must be corrected to comply with contract requirements.
- M. The Contractor is not responsible for the Subcontractor's safety compliance, methods, and procedures. Each Subcontractor will bear individual responsibility for safety compliance of his work and employees.
- 4. Unless specifically noted otherwise, schedule, secure, and pay for, as necessary for proper execution of the work, and local and state code compliance, any of the following:
  - 1. Permits related to all Subcontractors work.
  - 2. Government fees related to this Subcontractor's scope of work.
  - 3. Licenses and certifications related to this Subcontractors scope of work.

Athletic Field Complex

#### EXHIBIT "A" SCOPE OF WORK - PLUMBING

- 5. Comply with local, state, and federal agencies, and other public authority's codes, ordinances, rules, orders, regulations, and legal that applies to the work.
- 7. Maintain on-site a record set of "As-Built" drawings with all deviation of existing and new construction from the Construction Documents recorded. These documents will be delivered to the Contractor prior to and as part of the final closeout submittals.
- 8. Borings and soil test data are available for information only. The Owner, Architect, Engineer, and Contractor assume no responsibility for variations of soil and water conditions not included in the data.
- 9. Project is Tax Exempt and Prevailing Wage.
- 10. Exercise care to avoid damaging existing utilities, surfaces, and structures. This Subcontractor shall repair damage to existing and new work resulting from this Subcontractor's operations at no additional cost and to the satisfaction of the Contractor.
- 11. Work included in this contract shall be executed in a timely fashion to "dry-in" the building as soon as possible. Coordinate with the Contractor and the other Subcontractors to meet this schedule milestone date.
- 12. Subcontractor shall be responsible for any/all of the following, to effectively construct the work, including but not limited to:
  - Off-site Subcontractor employee parking
  - Off-site staging
  - Off-site material storage
  - Re-delivery / staging costs to jobsite

#### 1.2 SPECIFIC SCOPE OF WORK:

#### ATHLETIC FIELD COMPLEX - PLUMBING

- 1. This Subcontractor's complete Scope of Work is not necessarily shown on the contract Drawings and Specifications. The following is intended to clarify specific categories of work and may not be complete in all respects.
- 2. Provide all material, equipment, supervision, and labor to perform the *Plumbing* complete in every respect with the following clarifications:
- 3. Provide all cleanup daily for your work to dumpster provided by others.

Athletic Field Complex

### EXHIBIT "A" SCOPE OF WORK - PLUMBING

- 4. Site utility contractor to bring storm and sanitary systems to within 5' of building. Final connection and tie in of building system to mains is to be by this contractor. This contractor is to furnish and install any required sleeves for their work through concrete foundation systems.
- 5. Domestic water system to be installed by this contractor from location stubbed into building by site utility contractor.
- 6. Provide all layout and surveying for your work.
- 7. Includes all pipe insulation as required for your work per the contract documents.
- 8. Furnish and install all plumbing fixtures including but not limited to sinks, drinking fountains, toilets, faucets, mop sinks, etc as shown on the contract documents.
- 9. Provide all excavation for your work. Excess spoils to be hauled outside of building footprint to location designated by Ruscilli and earthwork contractor.
- 10. Provide all structural stone backfill and compaction for your excavation of underground plumbing in hard surface areas such as concrete slab on grade and foundations.
- 11. Provide complete all coordination with Concrete Contractor for all floor drain elevations.
- 12. Includes all piping, fittings, insulation, floor drains, cleanouts, valves, etc as required for complete water and sanitary systems as shown on the contract documents.
- 13. Furnish and install hot water heater per plans and specifications. Include concrete housekeeping pad as shown on contract documents.
- 14. Non-freeze wall hydrants to be per contract documents.
- 15. Subcontractor shall be responsible to notify Superintendent of any existing site items that are cut or destroyed during the excavation operation.

Athletic Field Complex

## EXHIBIT "A" SCOPE OF WORK - PLUMBING

#### **ALTERNATES**

1. P1 -ATHLETIC COMPLEX FUTURE CONCESSION – Provide labor and material for all plumbing scope of work at the Alt P1 future concession expansion area.

**UNIT COST** 

Athletic Field Complex

#### EXHIBIT "A" SCOPE OF WORK - HVAC

This Subcontractor shall furnish all materials, equipment, labor and supervision to perform the work described in this document and in the Contract Documents with the following clarifications. Time is of the essence.

The Drawings and Specifications indicate the general Scope of Work of the Project, and as such, do not necessarily indicate or describe all work required for the full performance and acceptable completion of this Subcontractor's work. Contract is awarded with the understanding that the Subcontractor is to furnish and install all items required for proper completion of his work including but not limited to the following:

- 1. Perform all Work as shown, indicated, described, and implied in the Contract Documents, which is required to perform the *HVAC* work complete in every respect.
- 2. The information provided in this Scope of Work is intended to reinforce, clarify, coordinate, and supplement the Construction Documents. In the case of conflict between the Construction Documents and this Scope of Work clarification, the more stringent requirement will apply, unless the Subcontractor is instructed differently by Ruscilli Construction Co., Inc. in writing.
- 3. Unless specifically noted otherwise, provide and pay for the following:
  - A. Supervision of the Subcontractor's operations, operations of the Subcontractor's Subcontractors, Suppliers, and other Agents of the Subcontractor.
  - B. Administrative services to meet Contract requirements for record keeping and submission of information.
  - C. Trade and craft labor (including wages, taxes, insurance, fringe benefits, and assessments).
  - D. Material, equipment and all costs for transportation to and from the job site.
  - E. Tools, miscellaneous consumable supplies, construction equipment and machinery, field offices, telephone services, parking, storage facilities, and craft labor change trailers. Subcontractor acknowledges the Project Site to be an extremely tight Construction Site. Employee parking, material

Athletic Field Complex

#### EXHIBIT "A" SCOPE OF WORK - HVAC

- F. Temporary protection and heating as necessary to assure completion of the work in compliance with Contract Documents and to meet the Construction Schedule. (Exhibit "F")
- G. Other manpower, equipment, facilities, and services necessary to complete and properly execute the work in an expeditious, professional, and workman-like manner.
- H. Layout and engineering for this Subcontractor's work. Layout is based upon elevations and benchmarks, <u>already established</u>, by the Contractor. Ruscilli Construction Co., Inc. will provide identification of the property corners, building corners, and finish floor reference benchmark one time.
- I. Coordination of this Subcontractor's work with that of other trades and Subcontractors.
- J. Flagman, traffic and pedestrian barriers, flashing lights, shoring and bracing, and other items as required to protect workers, the work, and others during the performance of the work under this contract.
- K. Subcontractor will provide all hoisting to complete the work of this package. No hoisting will be provided by the Contractor.
- L. The Contractor has the authority to notify the Subcontractor of improper installations, methods and procedures that must be corrected to comply with contract requirements.
- M. The Contractor is not responsible for the Subcontractor's safety compliance, methods, and procedures. Each Subcontractor will bear individual responsibility for safety compliance of his work and employees.
- 4. Unless specifically noted otherwise, schedule, secure, and pay for, as necessary for proper execution of the work, and local and state code compliance, any of the following:
  - 1. Permits related to all Subcontractors work.
  - 2. Government fees related to this Subcontractor's scope of work.
  - 3. Licenses and certifications related to this Subcontractors scope of work.

Athletic Field Complex

### EXHIBIT "A" SCOPE OF WORK - HVAC

- 5. Comply with local, state, and federal agencies, and other public authority's codes, ordinances, rules, orders, regulations, and legal that applies to the work.
- 7. Maintain on-site a record set of "As-Built" drawings with all deviation of existing and new construction from the Construction Documents recorded. These documents will be delivered to the Contractor prior to and as part of the final closeout submittals.
- 8. Borings and soil test data are available for information only. The Owner, Architect, Engineer, and Contractor assume no responsibility for variations of soil and water conditions not included in the data.
- 9. Project is Tax Exempt and Prevailing Wage.
- 10. Exercise care to avoid damaging existing utilities, surfaces, and structures. This Subcontractor shall repair damage to existing and new work resulting from this Subcontractor's operations at no additional cost and to the satisfaction of the Contractor.
- 11. Work included in this contract shall be executed in a timely fashion to "dry-in" the building as soon as possible. Coordinate with the Contractor and the other Subcontractors to meet this schedule milestone date.
- 12. Subcontractor shall be responsible for any/all of the following, to effectively construct the work, including but not limited to:
  - Off-site Subcontractor employee parking
  - Off-site staging
  - Off-site material storage
  - Re-delivery / staging costs to jobsite

#### 1.2 SPECIFIC SCOPE OF WORK:

#### ATHLETIC FIELD COMPLEX - HVAC

- 1. This Subcontractor's complete Scope of Work is not necessarily shown on the contract Drawings and Specifications. The following is intended to clarify specific categories of work and may not be complete in all respects.
- 2. Provide all material, equipment, supervision, and labor to perform the *HVAC* complete in every respect with the following clarifications:
- 3. Provide all cleanup daily for your work to dumpster provided by others.

Athletic Field Complex

#### EXHIBIT "A" SCOPE OF WORK - HVAC

- 4. Furnish and install HVAC system including but not limited to duct, hangars, fittings, grilles, diffusers, insulation, etc. for a complete system installation per plans and specifications.
- 5. Furnish and install electric unit heaters. Final connection to be by electrician.
- 6. Provide exhaust fans per plans and specifications.
- 7. Furnish and install louvers per plans and specifications. Coordinate sizing with other trades.
- 8. Includes any firestopping or fire-caulking for your work.
- 9. Ductless split system and all associated piping, fittings, evaporator, condensing units, roof curb/stand, etc. for a complete system installation per plans and specifications.
- 10. Provide all temperature controls for the HVAC systems.

**UNIT COST** 

Athletic Fields Complex

### EXHIBIT "A" SCOPE OF WORK - ELECTRICAL SYSTEMS

This Subcontractor shall furnish all materials, equipment, labor and supervision to perform the work described in this document and in the Contract Documents with the following clarifications. Time is of the essence.

The Drawings and Specifications indicate the general Scope of Work of the Project, and as such, do not necessarily indicate or describe all work required for the full performance and acceptable completion of this Subcontractor's work. Contract is awarded with the understanding that the Subcontractor is to furnish and install all items required for proper completion of his work including but not limited to the following:

- 1. Perform all Work as shown, indicated, described, and implied in the Contract Documents, which is required to perform the *Electrical System* work complete in every respect.
- 2. The information provided in this Scope of Work is intended to reinforce, clarify, coordinate, and supplement the Construction Documents. In the case of conflict between the Construction Documents and this Scope of Work clarification, the more stringent requirement will apply, unless the Subcontractor is instructed differently by Ruscilli Construction Co., Inc. in writing.
- 3. Unless specifically noted otherwise, provide and pay for the following:
  - A. Supervision of the Subcontractor's operations, operations of the Subcontractor's Subcontractors, Suppliers, and other Agents of the Subcontractor.
  - B. Administrative services to meet Contract requirements for record keeping and submission of information.
  - C. Trade and craft labor (including wages, taxes, insurance, fringe benefits, and assessments).
  - D. Material, equipment and all costs for transportation to and from the job site.
  - E. Tools, miscellaneous consumable supplies, construction equipment and machinery, field offices, telephone services, parking, storage facilities, and craft labor change trailers. Subcontractor acknowledges the Project Site to be an extremely tight Construction Site. Employee parking, material

Athletic Fields Complex

### EXHIBIT "A" SCOPE OF WORK - ELECTRICAL SYSTEMS

- F. Temporary protection and heating as necessary to assure completion of the work in compliance with Contract Documents and to meet the Construction Schedule. (Exhibit "F")
- G. Other manpower, equipment, facilities, and services necessary to complete and properly execute the work in an expeditious, professional, and workman-like manner.
- H. Layout and engineering for this Subcontractor's work. Layout is based upon elevations and benchmarks, <u>already established</u>, by the Contractor. Ruscilli Construction Co., Inc. will provide identification of the property corners, building corners, and finish floor reference benchmark one time.
- I. Coordination of this Subcontractor's work with that of other trades and Subcontractors.
- J. Flagman, traffic and pedestrian barriers, flashing lights, shoring and bracing, and other items as required to protect workers, the work, and others during the performance of the work under this contract.
- K. Subcontractor will provide all hoisting to complete the work of this package. No hoisting will be provided by the Contractor.
- L. The Contractor has the authority to notify the Subcontractor of improper installations, methods and procedures that must be corrected to comply with contract requirements.
- M. The Contractor is not responsible for the Subcontractor's safety compliance, methods, and procedures. Each Subcontractor will bear individual responsibility for safety compliance of his work and employees.
- 4. Unless specifically noted otherwise, schedule, secure, and pay for, as necessary for proper execution of the work, and local and state code compliance, any of the following:
  - 1. Permits related to all Subcontractors work.
  - 2. Government fees related to this Subcontractor's scope of work.
  - 3. Licenses and certifications related to this Subcontractors scope of work.

Athletic Fields Complex

### EXHIBIT "A" SCOPE OF WORK - ELECTRICAL SYSTEMS

- 5. Comply with local, state, and federal agencies, and other public authority's codes, ordinances, rules, orders, regulations, and legal that applies to the work.
- 7. Maintain on-site a record set of "As-Built" drawings with all deviation of existing and new construction from the Construction Documents recorded. These documents will be delivered to the Contractor prior to and as part of the final closeout submittals.
- 8. Borings and soil test data are available for information only. The Owner, Architect, Engineer, and Contractor assume no responsibility for variations of soil and water conditions not included in the data.
- 9. Project is Tax Exempt and Prevailing Wage.
- 10. Exercise care to avoid damaging existing utilities, surfaces, and structures. This Subcontractor shall repair damage to existing and new work resulting from this Subcontractor's operations at no additional cost and to the satisfaction of the Contractor.
- 11. Work included in this contract shall be executed in a timely fashion to "dry-in" the building as soon as possible. Coordinate with the Contractor and the other Subcontractors to meet this schedule milestone date.
- 12. Subcontractor shall be responsible for any/all of the following, to effectively construct the work, including but not limited to:
  - Off-site Subcontractor employee parking
  - Off-site staging
  - Off-site material storage
  - Re-delivery / staging costs to jobsite

#### 1.2 SPECIFIC SCOPE OF WORK:

#### ATHLETIC FIELD COMPLEX – ELECTRICAL SYSTEM

- 1. This Subcontractor's complete Scope of Work is not necessarily shown on the contract Drawings and Specifications. The following is intended to clarify specific categories of work and may not be complete in all respects.
- 2. Provide all material, equipment, supervision, and labor to perform the *Electrical Systems* complete in every respect with the following clarifications:
- 3. Provide daily cleanup for your work to dumpster provided by others.

Athletic Fields Complex

### EXHIBIT "A" SCOPE OF WORK - ELECTRICAL SYSTEMS

- 4. Prior to the start of work, the Subcontractor shall be responsible to spot verify the existing site grades to re-verify existing contours.
- 5. Subcontractor shall be responsible to notify Superintendent of any existing site items that are cut or destroyed during the excavation operation.
- 6. Provide and install all building electrical system to include permits, meter settings, panels, disconnects, wiring, cables, light fixtures, receptacles, devices, switches, fasteners, conduit, raceways and transformer pads.
- 7. Provide all HVAC and Plumbing equipment power connections per plans and specifications.
- 8. Includes excavation for your work. Spoils to be hauled to designated location as coordinated with site contractor.
- 9. Backfill of trenches included for your work. Structural aggregate backfill required at any areas under paving, foundation systems, or slab on grades.
- 10. Furnish and install all site pole lighting, conduits, hand holes, pull boxes, feeders, etc. for a complete installation per plans and specifications.
- 11. Excavate and pour site light pole bases for your work.
- 12. Provide power and disconnects for new water line system hot boxes as shown on plans.
- 13. Provide power for irrigation system booster pump.
- 14. Furnish and install (2) 5" conduits from utility pole to new pad mount transformer per plans.
- 15. Includes temporary construction power and lighting for the jobsite.
- 16. Provide temporary power to Ruscilli job trailer.
- 17. Site electrical package including but not limited to conduits, controls, hand holes, cabling/wiring, pull boxes, outdoor power pedestals, receptacles.
- 18. Provide empty conduits for data cabling,
- 19. Furnish and install all lighting control systems per contract documents.

Athletic Fields Complex

### EXHIBIT "A" SCOPE OF WORK - ELECTRICAL SYSTEMS

- 20. Power and receptacles to pavilions as shown on contract documents.
- 21. Power for sports lighting system per plans and specifications.
- 22. Includes furnish and install of fire rated plywood for your work.
- 23. Includes firestopping and/or fire caulking at all rated penetrations.
- 24. Provide rough in for all low voltage AV and Technology systems.
- 25. Provide all site underground electric and telecommunications conduits as shown on the utility plans. Includes all excavation, backfill, concrete encasement, conduit, etc.

#### **ALTERNATES**

A.) Alternate E1 Pavilion Future Concession – Provide alternate for full electrical systems and lighting at the Future Concessions area.

**UNIT COST** 

Athletic Field Complex

### EXHIBIT "A" SCOPE OF WORK - SPORTS LIGHTING

This Subcontractor shall furnish all materials, equipment, labor and supervision to perform the work described in this document and in the Contract Documents with the following clarifications. Time is of the essence.

The Drawings and Specifications indicate the general Scope of Work of the Project, and as such, do not necessarily indicate or describe all work required for the full performance and acceptable completion of this Subcontractor's work. Contract is awarded with the understanding that the Subcontractor is to furnish and install all items required for proper completion of his work including but not limited to the following:

- 1. Perform all Work as shown, indicated, described, and implied in the Contract Documents, which is required to perform the *Sports Lighting* work complete in every respect.
- 2. The information provided in this Scope of Work is intended to reinforce, clarify, coordinate, and supplement the Construction Documents. In the case of conflict between the Construction Documents and this Scope of Work clarification, the more stringent requirement will apply, unless the Subcontractor is instructed differently by Ruscilli Construction Co., Inc. in writing.
- 3. Unless specifically noted otherwise, provide and pay for the following:
  - A. Supervision of the Subcontractor's operations, operations of the Subcontractor's Subcontractors, Suppliers, and other Agents of the Subcontractor.
  - B. Administrative services to meet Contract requirements for record keeping and submission of information.
  - C. Trade and craft labor (including wages, taxes, insurance, fringe benefits, and assessments).
  - D. Material, equipment and all costs for transportation to and from the job site.
  - E. Tools, miscellaneous consumable supplies, construction equipment and machinery, field offices, telephone services, parking, storage facilities, and craft labor change trailers. Subcontractor acknowledges the Project Site to be an extremely tight Construction Site. Employee parking, material

Athletic Field Complex

### EXHIBIT "A" SCOPE OF WORK - SPORTS LIGHTING

- F. Temporary protection and heating as necessary to assure completion of the work in compliance with Contract Documents and to meet the Construction Schedule. (Exhibit "F")
- G. Other manpower, equipment, facilities, and services necessary to complete and properly execute the work in an expeditious, professional, and workman-like manner.
- H. Layout and engineering for this Subcontractor's work. Layout is based upon elevations and benchmarks, <u>already established</u>, by the Contractor. Ruscilli Construction Co., Inc. will provide identification of the property corners, building corners, and finish floor reference benchmark one time.
- I. Coordination of this Subcontractor's work with that of other trades and Subcontractors.
- J. Flagman, traffic and pedestrian barriers, flashing lights, shoring and bracing, and other items as required to protect workers, the work, and others during the performance of the work under this contract.
- K. Subcontractor will provide all hoisting to complete the work of this package. No hoisting will be provided by the Contractor.
- L. The Contractor has the authority to notify the Subcontractor of improper installations, methods and procedures that must be corrected to comply with contract requirements.
- M. The Contractor is not responsible for the Subcontractor's safety compliance, methods, and procedures. Each Subcontractor will bear individual responsibility for safety compliance of his work and employees.
- 4. Unless specifically noted otherwise, schedule, secure, and pay for, as necessary for proper execution of the work, and local and state code compliance, any of the following:
  - 1. Permits related to all Subcontractors work.
  - 2. Government fees related to this Subcontractor's scope of work.
  - 3. Licenses and certifications related to this Subcontractors scope of work.

Athletic Field Complex

### EXHIBIT "A" SCOPE OF WORK - SPORTS LIGHTING

- 5. Comply with local, state, and federal agencies, and other public authority's codes, ordinances, rules, orders, regulations, and legal that applies to the work.
- 7. Maintain on-site a record set of "As-Built" drawings with all deviation of existing and new construction from the Construction Documents recorded. These documents will be delivered to the Contractor prior to and as part of the final closeout submittals.
- 8. Borings and soil test data are available for information only. The Owner, Architect, Engineer, and Contractor assume no responsibility for variations of soil and water conditions not included in the data.
- 9. Project is Tax Exempt and Prevailing Wage.
- 10. Exercise care to avoid damaging existing utilities, surfaces, and structures. This Subcontractor shall repair damage to existing and new work resulting from this Subcontractor's operations at no additional cost and to the satisfaction of the Contractor.
- 11. Work included in this contract shall be executed in a timely fashion to "dry-in" the building as soon as possible. Coordinate with the Contractor and the other Subcontractors to meet this schedule milestone date.
- 12. Subcontractor shall be responsible for any/all of the following, to effectively construct the work, including but not limited to:
  - Off-site Subcontractor employee parking
  - Off-site staging
  - Off-site material storage
  - Re-delivery / staging costs to jobsite

#### 1.2 SPECIFIC SCOPE OF WORK:

#### ATHLETIC FIELD COMPLEX - SPORTS LIGHTING

- 1. This Subcontractor's complete Scope of Work is not necessarily shown on the contract Drawings and Specifications. The following is intended to clarify specific categories of work and may not be complete in all respects.
- 2. Provide all material, equipment, supervision, and labor to perform the *Sports Lighting* complete in every respect with the following clarifications:
- 3. Provide all cleanup daily for your work including street cleaning and/or street sweeping of all streets free of site construction debris while onsite.

#### Exhibit "F" SUBCONTRACTOR WORK SCOPES Athletic Field Complex

#### **EXHIBIT "A"** SCOPE OF WORK - SPORTS LIGHTING

4.	Repair of finished areas damaged by this contractor during their work.
ALTERNATES	
UNIT	COST

### EXHIBIT "A" SCOPE OF WORK - BP#313F - ASPHALT PAVING

This Subcontractor shall furnish all materials, equipment, labor and supervision to perform the work described in this document and in the Contract Documents with the following clarifications. Time is of the essence.

The Drawings and Specifications indicate the general Scope of Work of the Project, and as such, do not necessarily indicate or describe all work required for the full performance and acceptable completion of this Subcontractor's work. Contract is awarded with the understanding that the Subcontractor is to furnish and install all items required for proper completion of his work including but not limited to the following:

#### 1.1 CONTRACTUAL SCOPE OF WORK AND RESPONSIBILITIES:

- 1. Perform all Work as shown, indicated, described, and implied in the Contract Documents, which is required to perform the *Asphalt Paving* work complete in every respect.
- 2. The information provided in this Scope of Work is intended to reinforce, clarify, coordinate, and supplement the Construction Documents. In the case of conflict between the Construction Documents and this Scope of Work clarification, the more stringent requirement will apply, unless the Subcontractor is instructed differently by Ruscilli Construction Co., Inc. in writing.
- 3. Unless specifically noted otherwise, provide and pay for the following:
  - A. Supervision of the Subcontractor's operations, operations of the Subcontractor's Subcontractors, Suppliers, and other Agents of the Subcontractor.
  - B. Administrative services to meet Contract requirements for record keeping and submission of information.
  - C. Trade and craft labor (including wages, taxes, insurance, fringe benefits, and assessments).
  - D. Material, equipment and all costs for transportation to and from the job site.
  - E. Tools, miscellaneous consumable supplies, construction equipment and machinery, field offices, telephone services, parking, storage facilities, and craft labor change trailers. Subcontractor acknowledges the Project Site to be an extremely tight Construction Site. Employee parking, material

#### ATHLETIC COMPLEX (Adden 2)

### EXHIBIT "A" SCOPE OF WORK - BP#313F - ASPHALT PAVING

storage and/or field offices are to be coordinated with the Contractor, prior to the start of work at the Subcontractor's expense.

- F. Temporary protection and heating as necessary to assure completion of the work in compliance with Contract Documents and to meet the Construction Schedule. (Exhibit "F")
- G. Other manpower, equipment, facilities, and services necessary to complete and properly execute the work in an expeditious, professional, and workman-like manner.
- H. Layout and engineering for this Subcontractor's work. Layout is based upon elevations and benchmarks, <u>already established</u>, by the Contractor. Ruscilli Construction Co., Inc. will provide identification of the property corners, building corners, and finish floor reference benchmark one time.
- I. Coordination of this Subcontractor's work with that of other trades and Subcontractors.
- J. Flagman, traffic and pedestrian barriers, flashing lights, shoring and bracing, and other items as required to protect workers, the work, and others during the performance of the work under this contract.
- K. Subcontractor will provide all hoisting to complete the work of this package. No hoisting will be provided by the Contractor.
- L. The Contractor has the authority to notify the Subcontractor of improper installations, methods and procedures that must be corrected to comply with contract requirements.
- M. The Contractor is not responsible for the Subcontractor's safety compliance, methods, and procedures. Each Subcontractor will bear individual responsibility for safety compliance of his work and employees.
- 4. Unless specifically noted otherwise, schedule, secure, and pay for, as necessary for proper execution of the work, and local and state code compliance, any of the following:
  - 1. Permits related to all Subcontractors work.
  - 2. Government fees related to this Subcontractor's scope of work.
  - 3. Licenses and certifications related to this Subcontractors scope of work.

ATHLETIC COMPLEX (Adden 2)

## EXHIBIT "A" SCOPE OF WORK - BP#313F - ASPHALT PAVING

- 5. Comply with local, state, and federal agencies, and other public authority's codes, ordinances, rules, orders, regulations, and legal that applies to the work.
- 7. Maintain on-site a record set of "As-Built" drawings with all deviation of existing and new construction from the Construction Documents recorded. These documents will be delivered to the Contractor prior to and as part of the final closeout submittals.
- 8. Borings and soil test data are available for information only. The Owner, Architect, Engineer, and Contractor assume no responsibility for variations of soil and water conditions not included in the data.
- 9. Project is Tax Exempt and Prevailing Wage.
- 10. Exercise care to avoid damaging existing utilities, surfaces, and structures. This Subcontractor shall repair damage to existing and new work resulting from this Subcontractor's operations at no additional cost and to the satisfaction of the Contractor.
- 11. Work included in this contract shall be executed in a timely fashion to "dry-in" the building as soon as possible. Coordinate with the Contractor and the other Subcontractors to meet this schedule milestone date.
- 12. Subcontractor shall be responsible for any/all of the following, to effectively construct the work, including but not limited to:
  - Off-site Subcontractor employee parking
  - Off-site staging
  - Off-site material storage
  - Re-delivery / staging costs to jobsite

#### 1.2 SPECIFIC SCOPE OF WORK:

#### ATHLETIC FIELD COMPLEX - ASPHALT PAVING

Specifications: All Div 00, 01, 32 11 23, 32 12 16, 32 17 23, (Addendum 2)

- 1. This Subcontractor's complete Scope of Work is not necessarily shown on the contract Drawings and Specifications. The following is intended to clarify specific categories of work and may not be complete in all respects.
- 2. Provide all material, equipment, supervision, and labor to perform the *Asphalt Paving* complete in every respect with the following clarifications:

ATHLETIC COMPLEX (Adden 2)

### EXHIBIT "A" SCOPE OF WORK - BP#313F - ASPHALT PAVING

- 3. Provide all cleanup daily for your work including street cleaning and/or street sweeping of all streets free of site construction debris while onsite.
- 4. Proof roll of existing stone base placed by others.
- 5. Furnish and install 2" aggregate base for to complete base profile and to fine grade all asphalt pavement areas.
- 6. Provide concrete parking blocks
- 7. Parking lot striping as shown on contract documents.
- 8. Prior to turn over provide (1) cleaning of all asphalt areas.
- 9. Provide heavy duty and light duty asphalt paving for parking areas, drive lanes, and loop road per profiles noted on contract documents.
- 10. Provide all asphalt paving, aggregate base, and fine grading for new Regional Trail per detail on L5.01 and as shown on the plans and specifications.
- 11. Includes (2) mobilizations for aggregate install and (2) mobilizations for asphalt installation of parking lot areas. Provide two (2) mobilizations for Regional Trail paving and aggregate.
- 12. Provide the tack coat, per the specifications.
- 13. Apply bituminous prime coat per plans and specifications.
- 14. Furnish and install all parking lot signs and post as noted on plans.
- 15. Apply joint seal at new to existing asphalt transitions.

**ALTERNATES** 

**UNIT COST** 

### EXHIBIT "A" SCOPE OF WORK - BP#314F - LANDSCAPING & SITE AMENITIES

This Subcontractor shall furnish all materials, equipment, labor and supervision to perform the work described in this document and in the Contract Documents with the following clarifications. Time is of the essence.

The Drawings and Specifications indicate the general Scope of Work of the Project, and as such, do not necessarily indicate or describe all work required for the full performance and acceptable completion of this Subcontractor's work. Contract is awarded with the understanding that the Subcontractor is to furnish and install all items required for proper completion of his work including but not limited to the following:

#### 1.1 CONTRACTUAL SCOPE OF WORK AND RESPONSIBILITIES:

- 1. Perform all Work as shown, indicated, described, and implied in the Contract Documents, which is required to perform the *Landscaping & Site Amenities* work complete in every respect.
- 2. The information provided in this Scope of Work is intended to reinforce, clarify, coordinate, and supplement the Construction Documents. In the case of conflict between the Construction Documents and this Scope of Work clarification, the more stringent requirement will apply, unless the Subcontractor is instructed differently by Ruscilli Construction Co., Inc. in writing.
- 3. Unless specifically noted otherwise, provide and pay for the following:
  - A. Supervision of the Subcontractor's operations, operations of the Subcontractor's Subcontractors, Suppliers, and other Agents of the Subcontractor.
  - B. Administrative services to meet Contract requirements for record keeping and submission of information.
  - C. Trade and craft labor (including wages, taxes, insurance, fringe benefits, and assessments).
  - D. Material, equipment and all costs for transportation to and from the job site.
  - E. Tools, miscellaneous consumable supplies, construction equipment and machinery, field offices, telephone services, parking, storage facilities, and craft labor change trailers. Subcontractor acknowledges the Project Site to be an extremely tight Construction Site. Employee parking, material

### EXHIBIT "A" SCOPE OF WORK - BP#314F - LANDSCAPING & SITE AMENITIES

storage and/or field offices are to be coordinated with the Contractor, prior to the start of work at the Subcontractor's expense.

- F. Temporary protection and heating as necessary to assure completion of the work in compliance with Contract Documents and to meet the Construction Schedule. (Exhibit "F')
- G. Other manpower, equipment, facilities, and services necessary to complete and properly execute the work in an expeditious, professional, and workman-like manner.
- H. Layout and engineering for this Subcontractor's work. Layout is based upon elevations and benchmarks, <u>already established</u>, by the Contractor. Ruscilli Construction Co., Inc. will provide identification of the property corners, building corners, and finish floor reference benchmark one time.
- I. Coordination of this Subcontractor's work with that of other trades and Subcontractors.
- J. Flagman, traffic and pedestrian barriers, flashing lights, shoring and bracing, and other items as required to protect workers, the work, and others during the performance of the work under this contract.
- K. Subcontractor will provide all hoisting to complete the work of this package. No hoisting will be provided by the Contractor.
- L. The Contractor has the authority to notify the Subcontractor of improper installations, methods and procedures that must be corrected to comply with contract requirements.
- M. The Contractor is not responsible for the Subcontractor's safety compliance, methods, and procedures. Each Subcontractor will bear individual responsibility for safety compliance of his work and employees.
- 4. Unless specifically noted otherwise, schedule, secure, and pay for, as necessary for proper execution of the work, and local and state code compliance, any of the following:
  - 1. Permits related to all Subcontractors work.
  - 2. Government fees related to this Subcontractor's scope of work.
  - 3. Licenses and certifications related to this Subcontractors scope of work.

### EXHIBIT "A" SCOPE OF WORK - BP#314F - LANDSCAPING & SITE AMENITIES

- 5. Comply with local, state, and federal agencies, and other public authority's codes, ordinances, rules, orders, regulations, and legal that applies to the work.
- 7. Maintain on-site a record set of "As-Built" drawings with all deviation of existing and new construction from the Construction Documents recorded. These documents will be delivered to the Contractor prior to and as part of the final closeout submittals.
- 8. Borings and soil test data are available for information only. The Owner, Architect, Engineer, and Contractor assume no responsibility for variations of soil and water conditions not included in the data.
- 9. Project is Tax Exempt and Prevailing Wage.
- 10. Exercise care to avoid damaging existing utilities, surfaces, and structures. This Subcontractor shall repair damage to existing and new work resulting from this Subcontractor's operations at no additional cost and to the satisfaction of the Contractor.
- 11. Work included in this contract shall be executed in a timely fashion to "dry-in" the building as soon as possible. Coordinate with the Contractor and the other Subcontractors to meet this schedule milestone date.
- 12. Subcontractor shall be responsible for any/all of the following, to effectively construct the work, including but not limited to:
  - Off-site Subcontractor employee parking
  - Off-site staging
  - Off-site material storage
  - Re-delivery / staging costs to jobsite

#### 1.2 SPECIFIC SCOPE OF WORK:

#### ATHLETIC FIELD COMPLEX – LANDSCAPING & SITE AMENITIES

Specifications: All Div 00, 01, 32 33 00, 32 84 00, 32 91 13, 32 92 00, 32 93 00, (Addendum 2)

1. This Subcontractor's complete Scope of Work is not necessarily shown on the contract Drawings and Specifications. The following is intended to clarify specific categories of work and may not be complete in all respects.

### EXHIBIT "A" SCOPE OF WORK - BP#314F - LANDSCAPING & SITE AMENITIES

- 2. Provide all material, equipment, supervision, and labor to perform the *Landscaping & Site Amenities* complete in every respect with the following clarifications:
- 3. Provide all cleanup daily for your work including street cleaning and/or street sweeping of all streets for debris generated by this subcontractor.
- 4. Provide all trees, plantings, shrubs, grasses, and ground as shown on the landscape drawings.
- 5. Provide all seeding as shown on the Landscape Drawings, including preparation of all grassy areas with a rockhound (landscape rake)
- 6. Includes preparation and fine grading of all turf areas with exception to the turf fields.
- 7. Provide all planting bed preparations with planting soil mixes as shown on the contract documents. Includes topsoil for planting areas as shown.
- 8. Provide temporary staking and watering of all trees, plantings, and turf areas for work under this subcontract.
- 9. Furnish and install hardwood mulch at all planting beds, trees, shrubs
- 10. Provide irrigation system including but not limited to rotary heads, drip lines, booster pump, controls, control valves, piping, control wiring, rain sensor, back flow preventer, water meter, valve boxes, grounding, etc. for a complete irrigation system per the contract documents.
- 11. Furnish and install sleeving for irrigation system.
- 12. Includes all excavation for planting beds, plantings, trees, and shrubs per plans.
- 13. Furnish and install all site amenities including bike racks, soccer ball bollard, picnic tables, benches, and trash receptacles per plans and specifications.
- 14. Furnish and install all bioswale plantings and seed mix per plans and specifications.

#### **ALTERNATES**

A.) Alternate Fields Area –Provide all landscaping and full irrigation system at alternate fields noted on plans.

#### EXHIBIT "A" SCOPE OF WORK - BP#315F - FENCING

This Subcontractor shall furnish all materials, equipment, labor and supervision to perform the work described in this document and in the Contract Documents with the following clarifications. Time is of the essence.

The Drawings and Specifications indicate the general Scope of Work of the Project, and as such, do not necessarily indicate or describe all work required for the full performance and acceptable completion of this Subcontractor's work. Contract is awarded with the understanding that the Subcontractor is to furnish and install all items required for proper completion of his work including but not limited to the following:

#### 1.1 CONTRACTUAL SCOPE OF WORK AND RESPONSIBILITIES:

- 1. Perform all Work as shown, indicated, described, and implied in the Contract Documents, which is required to perform the *Fencing* work complete in every respect.
- 2. The information provided in this Scope of Work is intended to reinforce, clarify, coordinate, and supplement the Construction Documents. In the case of conflict between the Construction Documents and this Scope of Work clarification, the more stringent requirement will apply, unless the Subcontractor is instructed differently by Ruscilli Construction Co., Inc. in writing.
- 3. <u>Unless specifically noted otherwise, provide and pay for the following:</u>
  - A. Supervision of the Subcontractor's operations, operations of the Subcontractor's Subcontractors, Suppliers, and other Agents of the Subcontractor.
  - B. Administrative services to meet Contract requirements for record keeping and submission of information.
  - C. Trade and craft labor (including wages, taxes, insurance, fringe benefits, and assessments).
  - D. Material, equipment and all costs for transportation to and from the job site.
  - E. Tools, miscellaneous consumable supplies, construction equipment and machinery, field offices, telephone services, parking, storage facilities, and craft labor change trailers. Subcontractor acknowledges the Project Site to be an extremely tight Construction Site. Employee parking, material

#### EXHIBIT "A" SCOPE OF WORK - BP#315F - FENCING

storage and/or field offices are to be coordinated with the Contractor, prior to the start of work at the Subcontractor's expense.

- F. Temporary protection and heating as necessary to assure completion of the work in compliance with Contract Documents and to meet the Construction Schedule. (Exhibit "F")
- G. Other manpower, equipment, facilities, and services necessary to complete and properly execute the work in an expeditious, professional, and workman-like manner.
- H. Layout and engineering for this Subcontractor's work. Layout is based upon elevations and benchmarks, <u>already established</u>, by the Contractor. Ruscilli Construction Co., Inc. will provide identification of the property corners, building corners, and finish floor reference benchmark one time.
- I. Coordination of this Subcontractor's work with that of other trades and Subcontractors.
- J. Flagman, traffic and pedestrian barriers, flashing lights, shoring and bracing, and other items as required to protect workers, the work, and others during the performance of the work under this contract.
- K. Subcontractor will provide all hoisting to complete the work of this package. No hoisting will be provided by the Contractor.
- L. The Contractor has the authority to notify the Subcontractor of improper installations, methods and procedures that must be corrected to comply with contract requirements.
- M. The Contractor is not responsible for the Subcontractor's safety compliance, methods, and procedures. Each Subcontractor will bear individual responsibility for safety compliance of his work and employees.
- 4. Unless specifically noted otherwise, schedule, secure, and pay for, as necessary for proper execution of the work, and local and state code compliance, any of the following:
  - 1. Permits related to all Subcontractors work.
  - 2. Government fees related to this Subcontractor's scope of work.
  - 3. Licenses and certifications related to this Subcontractors scope of work.

#### EXHIBIT "A" SCOPE OF WORK - BP#315F - FENCING

- 5. Comply with local, state, and federal agencies, and other public authority's codes, ordinances, rules, orders, regulations, and legal that applies to the work.
- 7. Maintain on-site a record set of "As-Built" drawings with all deviation of existing and new construction from the Construction Documents recorded. These documents will be delivered to the Contractor prior to and as part of the final closeout submittals.
- 8. Borings and soil test data are available for information only. The Owner, Architect, Engineer, and Contractor assume no responsibility for variations of soil and water conditions not included in the data.
- 9. Project is Tax Exempt and Prevailing Wage.
- 10. Exercise care to avoid damaging existing utilities, surfaces, and structures. This Subcontractor shall repair damage to existing and new work resulting from this Subcontractor's operations at no additional cost and to the satisfaction of the Contractor.
- 11. Work included in this contract shall be executed in a timely fashion to "dry-in" the building as soon as possible. Coordinate with the Contractor and the other Subcontractors to meet this schedule milestone date.
- 12. Subcontractor shall be responsible for any/all of the following, to effectively construct the work, including but not limited to:
  - Off-site Subcontractor employee parking
  - Off-site staging
  - Off-site material storage
  - Re-delivery / staging costs to jobsite

#### 1.2 SPECIFIC SCOPE OF WORK:

#### ATHLETIC FIELD COMPLEX - FENCING

Specifications: All Div 00, 01, 03 30 00, 06 13 00, (Addendum 2)

- 1. This Subcontractor's complete Scope of Work is not necessarily shown on the contract Drawings and Specifications. The following is intended to clarify specific categories of work and may not be complete in all respects.
- 2. Provide all material, equipment, supervision, and labor to perform the *Fencing* complete in every respect with the following clarifications:

#### EXHIBIT "A" SCOPE OF WORK - BP#315F - FENCING

- 3. Provide all cleanup daily for your work.
- 4. Furnish and install dumpster enclosure fence including all cedar pickets, post, gates, gate hardware, and concrete foundations for fence post per plans and specifications.
- 5. Includes excavation for your work.
- 6. Spoils to be hauled off or spread onsite at location designated by Ruscilli.
- 7. Furnish and install 4-rail wood fence system per plans and specifications. See details on L5.03.
- 8. Furnish and install aluminum coated wire fabric fence system at synthetic turf fields per detail on PF3.01. Includes all post, gates, gate hardware, caps, rails, and aluminum coated wire fabric for a complete fence system. Coordinate fence post layout and installation with concrete curb contractor.
- 9. Furnish and install complete the dumpster enclosure including the gate and gate posts. (Addendum 2)
- 10. Coordinate sleeves and inserts with other subcontractors as required. (Addendum 2)

**ALTERNATES** 

**UNIT COST** 

### EXHIBIT "A" SCOPE OF WORK - BP#316F - NETTING SYSTEMS

This Subcontractor shall furnish all materials, equipment, labor and supervision to perform the work described in this document and in the Contract Documents with the following clarifications. Time is of the essence.

The Drawings and Specifications indicate the general Scope of Work of the Project, and as such, do not necessarily indicate or describe all work required for the full performance and acceptable completion of this Subcontractor's work. Contract is awarded with the understanding that the Subcontractor is to furnish and install all items required for proper completion of his work including but not limited to the following:

#### 1.1 CONTRACTUAL SCOPE OF WORK AND RESPONSIBILITIES:

- 1. Perform all Work as shown, indicated, described, and implied in the Contract Documents, which is required to perform the *Netting Systems* work complete in every respect.
- 2. The information provided in this Scope of Work is intended to reinforce, clarify, coordinate, and supplement the Construction Documents. In the case of conflict between the Construction Documents and this Scope of Work clarification, the more stringent requirement will apply, unless the Subcontractor is instructed differently by Ruscilli Construction Co., Inc. in writing.
- 3. Unless specifically noted otherwise, provide and pay for the following:
  - A. Supervision of the Subcontractor's operations, operations of the Subcontractor's Subcontractors, Suppliers, and other Agents of the Subcontractor.
  - B. Administrative services to meet Contract requirements for record keeping and submission of information.
  - C. Trade and craft labor (including wages, taxes, insurance, fringe benefits, and assessments).
  - D. Material, equipment and all costs for transportation to and from the job site.
  - E. Tools, miscellaneous consumable supplies, construction equipment and machinery, field offices, telephone services, parking, storage facilities, and craft labor change trailers. Subcontractor acknowledges the Project Site to be an extremely tight Construction Site. Employee parking, material

### EXHIBIT "A" SCOPE OF WORK - BP#316F - NETTING SYSTEMS

storage and/or field offices are to be coordinated with the Contractor, prior to the start of work at the Subcontractor's expense.

- F. Temporary protection and heating as necessary to assure completion of the work in compliance with Contract Documents and to meet the Construction Schedule. (Exhibit "F")
- G. Other manpower, equipment, facilities, and services necessary to complete and properly execute the work in an expeditious, professional, and workman-like manner.
- H. Layout and engineering for this Subcontractor's work. Layout is based upon elevations and benchmarks, <u>already established</u>, by the Contractor. Ruscilli Construction Co., Inc. will provide identification of the property corners, building corners, and finish floor reference benchmark one time.
- I. Coordination of this Subcontractor's work with that of other trades and Subcontractors.
- J. Flagman, traffic and pedestrian barriers, flashing lights, shoring and bracing, and other items as required to protect workers, the work, and others during the performance of the work under this contract.
- K. Subcontractor will provide all hoisting to complete the work of this package. No hoisting will be provided by the Contractor.
- L. The Contractor has the authority to notify the Subcontractor of improper installations, methods and procedures that must be corrected to comply with contract requirements.
- M. The Contractor is not responsible for the Subcontractor's safety compliance, methods, and procedures. Each Subcontractor will bear individual responsibility for safety compliance of his work and employees.
- 4. Unless specifically noted otherwise, schedule, secure, and pay for, as necessary for proper execution of the work, and local and state code compliance, any of the following:
  - 1. Permits related to all Subcontractors work.
  - 2. Government fees related to this Subcontractor's scope of work.
  - 3. Licenses and certifications related to this Subcontractors scope of work.

### EXHIBIT "A" SCOPE OF WORK - BP#316F - NETTING SYSTEMS

- 5. Comply with local, state, and federal agencies, and other public authority's codes, ordinances, rules, orders, regulations, and legal that applies to the work.
- 7. Maintain on-site a record set of "As-Built" drawings with all deviation of existing and new construction from the Construction Documents recorded. These documents will be delivered to the Contractor prior to and as part of the final closeout submittals.
- 8. Borings and soil test data are available for information only. The Owner, Architect, Engineer, and Contractor assume no responsibility for variations of soil and water conditions not included in the data.
- 9. Project is Tax Exempt and Prevailing Wage.
- 10. Exercise care to avoid damaging existing utilities, surfaces, and structures. This Subcontractor shall repair damage to existing and new work resulting from this Subcontractor's operations at no additional cost and to the satisfaction of the Contractor.
- 11. Work included in this contract shall be executed in a timely fashion to "dry-in" the building as soon as possible. Coordinate with the Contractor and the other Subcontractors to meet this schedule milestone date.
- 12. Subcontractor shall be responsible for any/all of the following, to effectively construct the work, including but not limited to:
  - Off-site Subcontractor employee parking
  - Off-site staging
  - Off-site material storage
  - Re-delivery / staging costs to jobsite

#### 1.2 SPECIFIC SCOPE OF WORK:

#### ATHLETIC FIELD COMPLEX - NETTING SYSTEMS

- 1. This Subcontractor's complete Scope of Work is not necessarily shown on the contract Drawings and Specifications. The following is intended to clarify specific categories of work and may not be complete in all respects.
- 2. Provide all material, equipment, supervision, and labor to perform the *Netting Systems* complete in every respect with the following clarifications:
- 3. Provide all cleanup daily for your work.

ATHLETIC COMPLEX – (Addendum 2)

## EXHIBIT "A" SCOPE OF WORK - BP#316F - NETTING SYSTEMS

<i>4</i> .	Furnish and install complete the KwickGoal and Pole to Pole Tension Netting
	System, per the details 1 & 2 on sheet PF3.03. (Addendum 2)

<i>5</i> .	Coordinate	sleeves	and	inserts	with	other	subcontractors	as	required
	(Addendum	2)							

**ALTERNATES** 

**UNIT COST** 

### EXHIBIT "A" SCOPE OF WORK - BP#317F - FIELD SYSTEMS

This Subcontractor shall furnish all materials, equipment, labor and supervision to perform the work described in this document and in the Contract Documents with the following clarifications. Time is of the essence.

The Drawings and Specifications indicate the general Scope of Work of the Project, and as such, do not necessarily indicate or describe all work required for the full performance and acceptable completion of this Subcontractor's work. Contract is awarded with the understanding that the Subcontractor is to furnish and install all items required for proper completion of his work including but not limited to the following:

#### 1.1 CONTRACTUAL SCOPE OF WORK AND RESPONSIBILITIES:

- 1. Perform all Work as shown, indicated, described, and implied in the Contract Documents, which is required to perform the *Field Systems* work complete in every respect.
- 2. The information provided in this Scope of Work is intended to reinforce, clarify, coordinate, and supplement the Construction Documents. In the case of conflict between the Construction Documents and this Scope of Work clarification, the more stringent requirement will apply, unless the Subcontractor is instructed differently by Ruscilli Construction Co., Inc. in writing.
- 3. Unless specifically noted otherwise, provide and pay for the following:
  - A. Supervision of the Subcontractor's operations, operations of the Subcontractor's Subcontractors, Suppliers, and other Agents of the Subcontractor.
  - B. Administrative services to meet Contract requirements for record keeping and submission of information.
  - C. Trade and craft labor (including wages, taxes, insurance, fringe benefits, and assessments).
  - D. Material, equipment and all costs for transportation to and from the job site.
  - E. Tools, miscellaneous consumable supplies, construction equipment and machinery, field offices, telephone services, parking, storage facilities, and craft labor change trailers. Subcontractor acknowledges the Project Site to be an extremely tight Construction Site. Employee parking, material

## EXHIBIT "A" SCOPE OF WORK - BP#317F – FIELD SYSTEMS

storage and/or field offices are to be coordinated with the Contractor, prior to the start of work at the Subcontractor's expense.

- F. Temporary protection and heating as necessary to assure completion of the work in compliance with Contract Documents and to meet the Construction Schedule. (Exhibit "F")
- G. Other manpower, equipment, facilities, and services necessary to complete and properly execute the work in an expeditious, professional, and workman-like manner.
- H. Layout and engineering for this Subcontractor's work. Layout is based upon elevations and benchmarks, <u>already established</u>, by the Contractor. Ruscilli Construction Co., Inc. will provide identification of the property corners, building corners, and finish floor reference benchmark one time.
- I. Coordination of this Subcontractor's work with that of other trades and Subcontractors.
- J. Flagman, traffic and pedestrian barriers, flashing lights, shoring and bracing, and other items as required to protect workers, the work, and others during the performance of the work under this contract.
- K. Subcontractor will provide all hoisting to complete the work of this package. No hoisting will be provided by the Contractor.
- L. The Contractor has the authority to notify the Subcontractor of improper installations, methods and procedures that must be corrected to comply with contract requirements.
- M. The Contractor is not responsible for the Subcontractor's safety compliance, methods, and procedures. Each Subcontractor will bear individual responsibility for safety compliance of his work and employees.
- 4. Unless specifically noted otherwise, schedule, secure, and pay for, as necessary for proper execution of the work, and local and state code compliance, any of the following:
  - 1. Permits related to all Subcontractors work.
  - 2. Government fees related to this Subcontractor's scope of work.
  - 3. Licenses and certifications related to this Subcontractors scope of work.

ATHLETIC COMPLEX (Adden 3)

#### EXHIBIT "A" SCOPE OF WORK - BP#317F - FIELD SYSTEMS

- 5. Comply with local, state, and federal agencies, and other public authority's codes, ordinances, rules, orders, regulations, and legal that applies to the work.
- 7. Maintain on-site a record set of "As-Built" drawings with all deviation of existing and new construction from the Construction Documents recorded. These documents will be delivered to the Contractor prior to and as part of the final closeout submittals.
- 8. Borings and soil test data are available for information only. The Owner, Architect, Engineer, and Contractor assume no responsibility for variations of soil and water conditions not included in the data.
- 9. Project is Tax Exempt and Prevailing Wage.
- 10. Exercise care to avoid damaging existing utilities, surfaces, and structures. This Subcontractor shall repair damage to existing and new work resulting from this Subcontractor's operations at no additional cost and to the satisfaction of the Contractor.
- 11. Work included in this contract shall be executed in a timely fashion to "dry-in" the building as soon as possible. Coordinate with the Contractor and the other Subcontractors to meet this schedule milestone date.
- 12. Subcontractor shall be responsible for any/all of the following, to effectively construct the work, including but not limited to:
  - Off-site Subcontractor employee parking
  - Off-site staging
  - Off-site material storage
  - Re-delivery / staging costs to jobsite

#### 1.2 SPECIFIC SCOPE OF WORK:

#### ATHLETIC COMPLEX – FIELD SYSTEMS

Specifications: All Div 00, 00, 32 92 01, 32 92 05, 32 92 10, 32 91 11, 32 92 20, 32 92 21

1. This Subcontractor's complete Scope of Work is not necessarily shown on the contract Drawings and Specifications. The following is intended to clarify specific categories of work and may not be complete in all respects.

## EXHIBIT "A" SCOPE OF WORK - BP#317F - FIELD SYSTEMS

- 2. Provide all material, equipment, supervision, and labor to perform the *Synthetic & Natural Turf Field Systems* complete in every respect with the following clarifications:
- 3. This scope includes but is not limited to turf pad (if required), turf, infill, fabric, flat panel underdrain, stone from +/- 0.10' of subgrade (subgrade provided by the sitework contractor), curb, nailer board, installation, screening of topsoil stockpiled on site, respreading of the topsoil, athletic seeding for natural grass fields, field underdrainage (non-synthetic turf fields).
- 4. Provide protection of the fields until being accepted by the Owner.
- 5. Provide all cleanup daily for your work including street cleaning and/or street sweeping of all streets free of site construction debris while onsite.
- 6. Prior to the start of work, the Subcontractor shall be responsible to spot verify the existing site grades to re-verify existing contours and provide a letter accepting the subgrade and elevations prior to starting work.
- 7. Testing and warranty as stated in specifications.
- 8. Attic stock as required.
- 9. Subgrade is going to be provided by the Sitework contractor for both synthetic and natural grass playing fields to within  $\pm -0.10$ .
- 10. Perimeter collector drains and associated structures (cleanouts & manholes) are by others (Sitework package). This contractor is responsible for providing and installing all of the underdrainage and tying into the collector drain piping/structures.
- 11. Topsoil from stripping activities will be stockpiled onsite to a location directed by the CMR. Approx. 13,250 CY of topsoil will be available for this subcontractor to use as fill for the playing field areas. Screening and amendments of this topsoil per the contract documents will also be included in this package as required.

ATHLETIC COMPLEX (Adden 3)

## EXHIBIT "A" SCOPE OF WORK - BP#317F - FIELD SYSTEMS

#### **ALTERNATES**

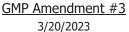
**A.**) Provide separate pricing for the Natural Grass playing fields vs. the Synthetic Turf Playing fields

**UNIT COST** 



#### Exhibit "H"

### **Hilliard Recreation and Wellness Center**



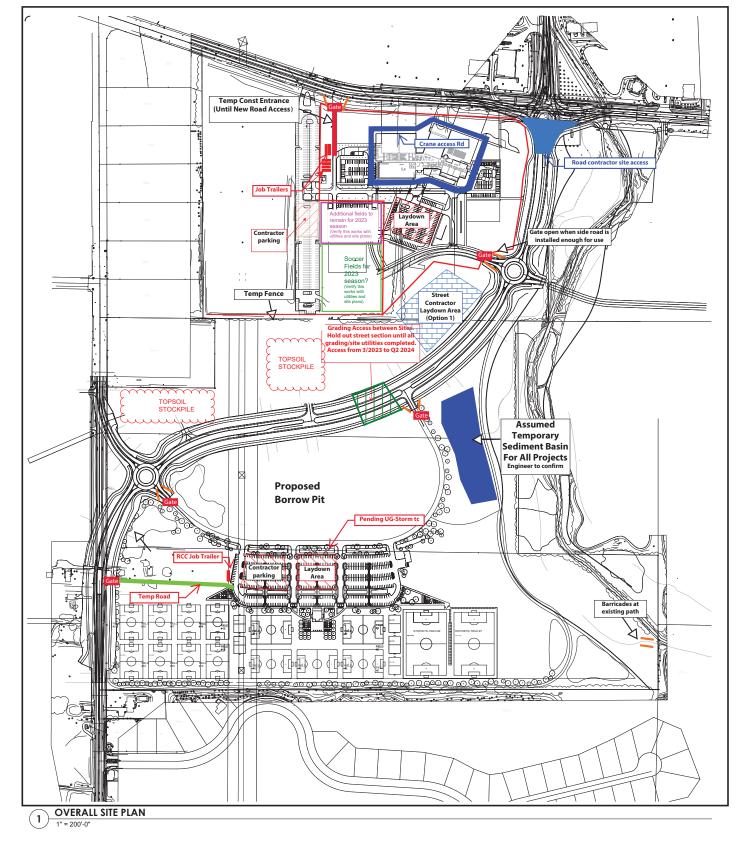


#### **SCHEDULE OF ALLOWANCES**

Schedule of Allowances: (all allowances include labor, material, & equipment unless otherwise noted)

1 Soil Management (Athletic Complex & Rec Center)	\$	250,000
Pursuant to the Owner's Representative direction, this allowance is to be used for lime stabilization, drying of soils,		
additional import / export that may be required during excavation activities, major dewatering, etc. that is above and		
beyond what's required within the Contract Documents to complete the scope of work and meet the schedule durations		
provided within Exhibit "D" Construction Schedule.		
2 Entry Sign (Athletic Complex)	\$	20,000
This allowance is to be used for the Entry Sign per coded note #7 on Sheet L1.04. No details or specifications were		
provided within the Contract Documents. This allowance includes, but is not limited to, excavation, haul off spoils,		
concrete, masonry, signage construction, lighting, technology, equipment, painting, inserts.		
3 Wood Trusses & Heavy Timber Trusses (Athletic Complex)	\$	111,250
This allowance is included due to the roof framing plan not being fully designed and coordinated to be able to get firm		
pricing. Includes, but is not limited to, shop drawings, fabrication, delivery, installation, equipment, 2x12 wood joists,		
heavy timber trusses, hardware, accessories.		
4 Fiber Cement Siding (Athletic Complex)	\$	60,750
This allowance is included due to no specification provided for the fiber cement siding as this product has not yet been		
selected. Includes, but is not limited to, shop drawings, fabrication, delivery, installation, equipment, fiber cement		
panels, trim, hardware, accessories. Value is based on 2,025 SF @ \$30.00 /SF (material & install).		
5 Exterior Soffit (Athletic Complex)	\$	34,688
This allowance is included due to no detail or specification provided for the underside soffit of the pavilion building.		
Includes, but is not limited to, shop drawings, fabrication, delivery, installation, equipment, framing, soffit panels, trim,		
accessories, hardware. Value is based on 2,775 SF @ \$12.50 /SF (material & install).		
6 Undefined Structural Steel (Rec Center)	\$	150,000
This allowance is included due to the structural drawings not being 100% completed. The intent of this allowance is to		
pick up the miscellaneous structural steel not yet designed. This allowance is to include, but is not limited to, storefront		
/ curtain wall support with C12 framing, elevator hoist beams, masonry lintels, dormer framing, skylight framing,		
perimeter edge of second floor slab on metal deck, moment connections, clip / support angles.		
7 Recessed Slab Areas (Rec Center)	\$	98,175
Pursuant to the Architect's direction, this allowance is to be used for recessing of slabs for floor finish applications.		
These areas are yet to be designed within the Contract Documents. Value is based on 28,050 SF @ \$3.50 /SF.		
3 Owner Contingency Allowance	\$	1,000,000
This allowance is to be used for the sole and exclusive use of the Owner and cannot be allocated or utilized by the		
Construction Manager unless directed in advance by the Owner and/or the Owner's Representative in writing. All		
expenditures of this Owner Contingency shall be tracked using the PCO Log and shall include detail records and		
documentation which shall be part of all approvals provided during the course of the Project.		
TATU	•	4 704 00
TOTAL	\$	1,724,863

NOTES: The allowances above exclude Ruscilli overhead, profit and general conditions as those costs are included within the GMP, however any overages or savings on these allowances will be subject to contingency, fee, insurance adjustments, etc.



Hilliard Recreation & Wellness Center and Athletic Field Complex Project



Exhibit "L"
Site Utilization Plan



### Exhibit "M"

3/20/2023

To be used in conjunction with AIA-A133-2019

#### **Ruscilli Construction Standard Billing Rates**

### **Hilliard Athletic Complex**

Rates for personnel assigned to the Project when located in or out of the home office in connection with the work will be as follows:

POSITION	HOURLY BASE RATE
Project Manager #1	\$92.31
Project Manager #2	\$85.55
Lead Superintendent #1	\$105.52
Lead Superintendent #2	\$79.39
Project Engineer	\$61.27
MEP Engineer	\$70.00
Assistant Superintendent	\$103.00
Project Executive	\$154.77
Construction Quality Manager	\$102.95
Safety Director	\$70.79
Scheduling Manager	\$100.03
Project Administrator	\$45.00
Accounting	\$74.16
General Laborer*	\$40.00
Carpenter/Foreman*	\$55.00

The hourly rates established above include a multiplier. The multiplier includes the cost of fringe benefits, retirement, hospitalization, vacations, medical insurance, assessments, and taxes such as unemployment compensation and social security.

All rates are valid through December 31, 2023 and are subject to yearly adjustment due to annual salary and wage increases.



Hydraway is a geocomposite subsurface drainage solution that's composed of a structured high-density polyethylene (HDPE) perforated core that is thermally bonded to a geotextile filter fabric.

The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path.



Hydraway provides a value engineered solution to the conventional perforated pipe and aggregate subsurface drainage systems. This solution is more durable as it prevents clogs, fungal growth, and disintegration.

Hydraway comes in widths of 6 and 12 inches with a standard length of 150 feet. It can be customized in a variety of lengths and widths upon request.

PROPERTY	TEST METHOD	UNIT OF MEASUREMENT	HY206-A150	HY211-A150				
Size		in x ft	6 x 150	12 X 150				
GEOTEXTILE¹ – NEEDLE-PUNCTURED, NONWOVEN								
Elongation	ASTM D-4632-91	%	50	50				
Grab Tensile	ASTM D-4632-91	lbs	120	120				
Puncture Strength	ASTM D-4833-00	lbs	65	65				
Mullen Burst Strength	ASTM D-3756-87	psi	225	225				
Trapezoidal Tear	ASTM D-4533-91	lbs	50	50				
Wide width Tensile	ASTM D-4595	lbs/in	50	50				
UV Resistance <sup>2</sup>	ASTM D-4355-02	%	70	70				
Permittivity	ASTM D-4491-99A	sec	1.8	1.8				
Permeability	ASTM D-4751-99A <sub>4</sub>	cm/sec	.21	.21				
Flow Rate	ASTM D-4491	gal/min/ft²4	135	135				
AOS (EOS)	ASTM D-4751-99A	US standard sieve	70	70				
CORE - HDPE								
Compressive Strength	ASTM D-695/1621 <sub>5</sub>	PSF	11,400	11,400				
Flow Rate at 1,500 PSF	ASTM D-47162 <sub>3</sub>	GPM/ft-width	11	21.9				
Peel Strength <sup>3</sup>	ASTM D-1876	lbs/ft-width	50	50				

- 1. 4 oz fabric.
- 2. Based on 500 hours of testing.
- 3. Gradient of 0.1.
- 4. Values shown are in weaker principal direction. Minimum average roll values are calculated as the typical minus two standard deviations. Statistically, it yields a 97.7% degree of confidence that nay samples taken from quality assurance testing will exceed the value reported.
- 5. Modification was made to an existing ASTM test since a recognized test method had not been established for this type of product at time of testing.

Exhibit "N"

#### **Hilliard Recreation and Wellness Center**

<u>GMP Amendment #3</u> 3/20/2023

#### **HYDRAWAY FLAT PANEL DRAIN CUT SHEET**

Dago 112 of 140

Date: March 3, 2023 Project: Hilliard Athletic Complex
To: Bidding Contractor Hilliard, OH

Hilliard, OH Ref: 223270

Materials Only Delivered to Job Site Plus Installation of Foundations, Poles, And Fixtures

Sales tax, bonding, labor, and unloading of the equipment are not included. Pricing furnish otherwise noted and is considered confidential.

Ruscilli days unless

#### Light-Structure System with Total Light Control – TLC for LED™ technology

#### **System Description**

- (6) Pre-cast concrete bases with integrated lightning grounding
- (6) 70' Galvanized steel poles
- Factory wired and tested remote electrical component enclosures
- Pole length, factory assembled wire harnesses
- Factory wired poletop luminaire assemblies
- (40) Factory aimed and assembled luminaries
- UL Listed as a complete system

### **Hilliard Recreation and Wellness Center**

GMP Amendment #3 3/20/2023

Fxhibit "O"

#### **MUSCO SPORTS LIGHTING SCOPE**

#### **Control System, Warranty And Services**

- Control-Link® control and monitoring system to provide remote on/off and dimming (high/medium/low) control and performance monitoring with 24/7 customer support
- Product assurance and warranty program that covers materials and onsite labor costs for 25 years
- Includes installation of foundations, poles, and fixtures

#### **Payment Terms**

Musco's Credit Department will provide payment terms.

#### **Delivery Timing**

8 - 12 weeks for delivery of materials to the job site from the time of order, submittal approval, and confirmation of order details including voltage, phase, and pole locations. Due to the built-in custom light control per luminaire, pole locations need to be confirmed prior to production. Changes to pole locations after the product is sent to production could result in additional charges. Installation time of poles requires two weeks.

#### Notes

#### Quote is based on:

- Shipment of entire project together to one location.
- 480 Volt, 3 Phase electrical system requirement.
- Structural code and wind speed = IBC 2015, 115 mi/h, Exposure C, Importance Factor I, Risk Category II.
- Foundation design based upon standard soils.
- Confirmation of pole locations prior to production.

Thank you for considering Musco for your lighting needs. Please contact me with any questions or if you need additional details.

John Kaufman
Field Representative
Musco Sports Lighting, LLC
Phone: 614-937-9584

E-mail: John.Kaufman@musco.com



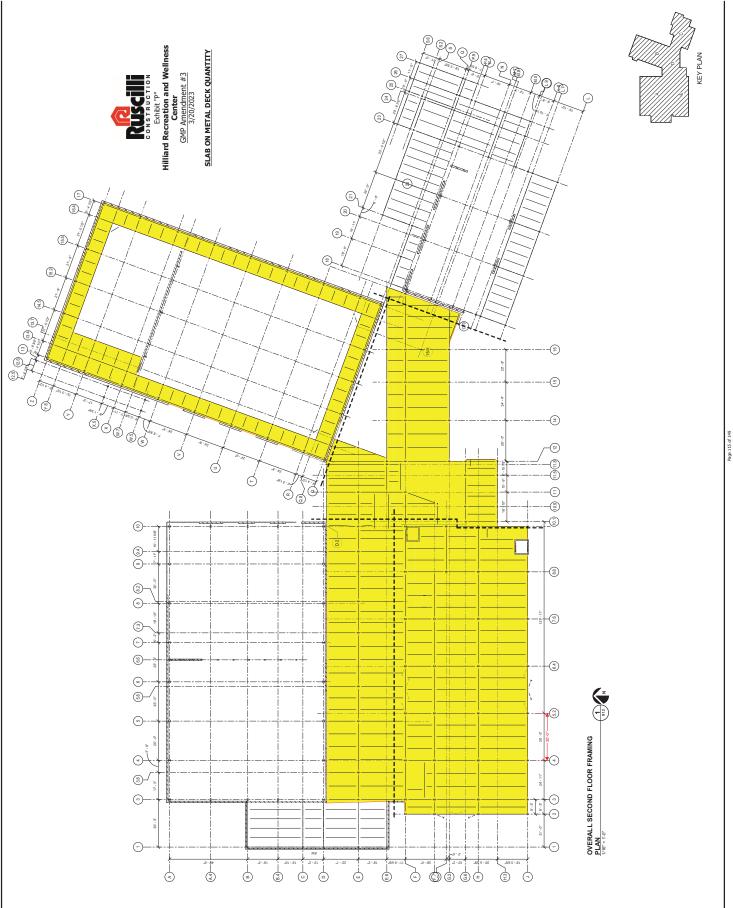




## HILLIARD RECREATION AND WELLNESS CENTER 3993 Cosgray Rd - Hilliard, OH, 43026



S1.2
SOH01AD - 22043







March 17, 2023 Revision 2: March 20, 2023

Attn: ROB HITTLE

HITTLE ROOFING INC. 3025 OLDE FALLS RD ZANESVILLE, OHIO 43701 Exhibit "Q"

#### Hilliard Recreation and Wellness Center

<u>GMP Amendment #3</u> 3/20/2023

Re: Hilliard Recreation and Wellness Center

Hilliard, Ohio

To Whom It May Concern:

**EPDM SYSTEMS** 

This letter shall acknowledge that the following Carlisle roofing system is considered for warranty by Carlisle SynTec Systems.

Building Height: Approximately 32-feet tall

Membrane: 60-mil Sure-Seal® EPDM membrane adhered with 90-8-30A Bonding Adhesive. Cover Board: 1/2" SecurShield HD Plus [4'x 8' boards] mechanically fastened with 24 Carlisle

InsulFast™ fasteners and 3" insulation plates in the field, perimeter and

corners.

Insulation: 2 layers 2.2-inch thick and Tapered crickets InsulBase® Polyisocyanurate

insulation loose laid

Vapor Barrier: VapAir Seal™ 725TR Air and Vapor Barrier self-adhered to thermal barrier.

Thermal Barrier: SECUROCK Gypsum-Fiber: 1/2" fastened at roofer's discretion.

Deck: New 22-gauge steel or heavier deck

The roofing assembly described herein, represents Carlisle's minimum warranty requirements. It is not intended to modify, negate or alter any requirements dictated by the specifier or mandated by the building code or the building owner's insurer. Carlisle's review and inspection are strictly for the purpose of issuing the Carlisle warranty.

System enhancements pertaining, but not limited, to membrane thickness, insulation type and thickness, flashing height, slope requirements and membrane terminations [beyond those required by Carlisle] are to be complied with when specified unless approved by the Architect / Consultant. These conditions are considered above and beyond the scope of Carlisle review and take precedence.

Upon final inspection and acceptance by a Carlisle Field Service Representative confirming that the roof system has been installed in accordance with Carlisle Specifications, Carlisle will issue a 20-year warranty with 120-MPH wind speed coverage. Unless purchased or supplied through Carlisle, please note that performance, integrity, and impact of products by others is not included under coverage of the Carlisle Warranty.

If you have any question or need any additional information, feel free to contact our office.

Sincerely,

Kristiana Burns Design Analyst

Carlisle SynTec Systems

Cc: Greg Bush; Doug Dobson; Mike Wieser





The Foundation of Carlisle's Single-Ply Roofing Systems



### Carlisle Value

For over 50 years, the name Carlisle has been synonymous with high-quality, innovative commercial roofing materials. Since its inception as a company, Carlisle has been dedicated to providing construction professionals with the best products, services, and warranty programs on the market.

Today, as the world's largest supplier of commercial roofing materials,

Carlisle's product offerings have grown but the company's mission remains

much the same as it was 5 decades ago: developing and manufacturing

the industry's most innovative, highest-quality products to enhance

building performance and promote sustainability.

One of the simplest ways to support sustainability through construction practices is through the use of insulation. Carlisle's lightweight, cost-effective polyisocyanurate (polyiso) insulation products provide energy-efficient solutions for buildings in any region and climate, as well as outstanding return on investment and significant energy savings. With an industry leading eight polyiso manufacturing lines strategically positioned throughout North America, Carlisle is able to provide on-time delivery of its innovative insulation products to any jobsite.

### **Energy-Efficient** Polyiso Insulation



#### FEATURES AND BENEFITS

- » Highest R-value per inch of any commercially available roof insulation
- » Unmatched roof design flexibility
- » Outstanding installed cost advantages
- » Compatible with all single-ply membranes
- » Minimal water absorption and vapor transmission
- » Exceptional fire resistance (FM 4450 and UL 1256 approvals)
- » Zero ODP and HCFC-free
- » Quality Mark<sup>™</sup> third-party certification for Long-Term Thermal Resistance (LTTR)
- » Superior compressive strength
- » Excellent dimensional stability
- » Readily available throughout North America
- » Contains post-industrial recycled content

#### SUPERIOR INSULATION

Polyiso is a closed-cell, rigid foam board insulation used primarily in offices, health facilities, warehouses, retail buildings, industrial manufacturing facilities, and educational institutions. Because of its high thermal performance, polyiso is the product of choice for energy-conscious consumers who are looking to reduce energy consumption and costs.

Polyiso is one of North America's most widely-used and costeffective insulation products and has been promoted by the U.S. Environmental Protection Agency for its responsible impact on the environment.

#### THE BEST OPTION

Polyiso insulation offers the highest level of thermal performance of any rigid foam insulation on the market, providing design flexibility while remaining cost-effective, energy-efficient, and environmentally responsible.

#### **ENVIRONMENTALLY SOUND**

Polyiso insulation provides the highest net return on embedded energy and the lowest global warming potential of all rigid commercial roof insulation choices.

- » Zero ozone depletion potential (Zero-ODP)
- » LEED® benefits

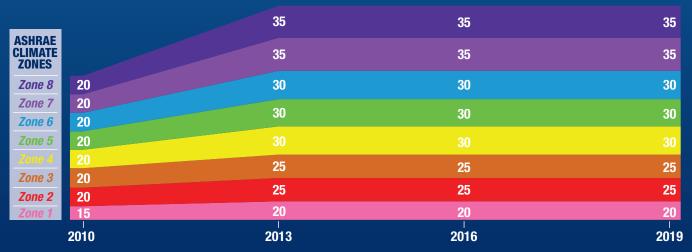


PIMA Polyiso Roof Insulation Environmental Product Declaration (No. EPD10465)



### **Code Requirements**

Code required R-values have increased substantially in a short period of time based upon the growing recognition of the positive impact insulation usage has on reducing energy consumption. A building owner only gets one chance to increase the insulation in the roof system approximately every 20 years. Consider future energy requirements and associated energy costs over the entire lifespan of the installed roof system when making these important decisions.



Minimum R-value Requirement

### **Energy** Savings



## Additional R-10 Insulation

What is the true cost of adding insulation to a roof system? Adding R-10 to the building above would cost approximately \$31,000 in insulation product. Modeled Energy Savings based on various locations are displayed to the right.

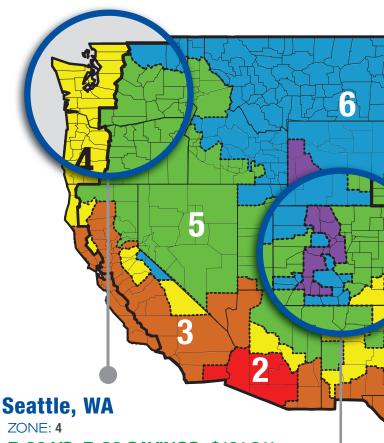
Electric @ \$0.10/kWh and gas @ \$8.59/1000 cubic ft. Energy costs assuming 2% annual inflation Results generated by ORNL's Roof Savings Calculator.

### Minneapolis, MN

ZONE: 6

R-20 VS. R-30 SAVINGS: \$140,049

PAYBACK IN YEARS: 6



R-20 VS. R-30 SAVINGS: \$101,911

PAYBACK IN YEARS: 7

### Denver, CO

ZONE: 5

R-20 VS. R-30 SAVINGS: \$99,027

PAYBACK IN YEARS: 7

### Chicago, IL

ZONE: 5

R-20 VS. R-30 SAVINGS: \$118,811

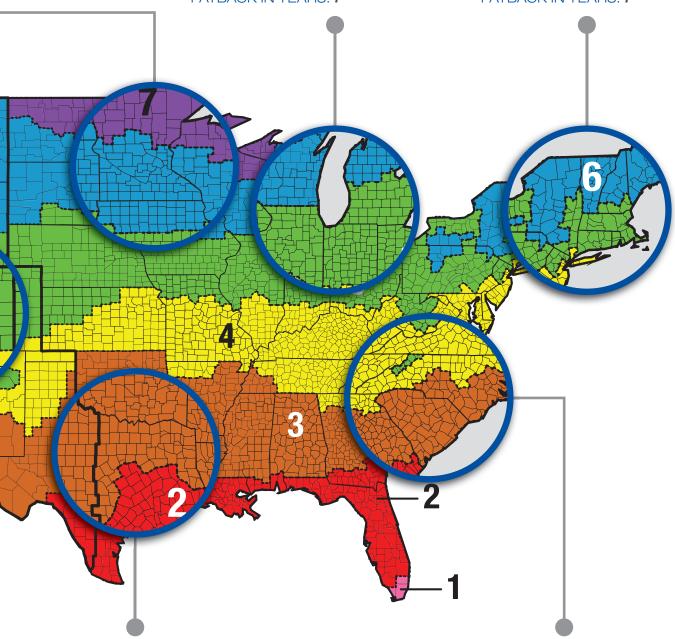
PAYBACK IN YEARS: 7

### **Boston, MA**

ZONE: 5

R-20 VS. R-30 SAVINGS: \$107,371

PAYBACK IN YEARS: 7



### Dallas, TX

ZONE: 3

R-20 VS. R-30 SAVINGS: \$70,454

PAYBACK IN YEARS: 10

### **Charlotte, NC**

ZONE: 4

R-20 VS. R-30 SAVINGS: \$75,399

PAYBACK IN YEARS: 10

## Polyiso Insulation Products to Meet Every

### InsulBase® - The Foundation

An effective Polyiso insulation used as the foundation for most Carlisle single-ply, low-slope commercial rooftop applications. The glass-reinforced felt (GRF) facer is compatible with all membranes, including FleeceBACK and all adhesives, including self-adhered technologies.

- » InsulBase polyiso insulation provides the highest R-value per inch of any commercially available roof insulation products
- » Environmentally friendly construction with 0% ozone-depleting components and HFC free
- » Approved for direct application to steel decks



The ultimate defense in the harshest of environments. OSB cover board combined with InsulBase insulation to create a single product. StormBase OSB composite insulation is the definitive solution where enhanced hail and uplift resistance are required.

- » A superior combination of high-insulating properties and a resilient OSB surface, ideal for high-traffic roof installations
- » Higher wind uplift performance
- » Composite of insulation and cover board saves handling and installation labor
- » Suitable for new construction and re-roofing on commercial projects Incorporates APA-TECO-rated exposure 1 oriented strand board
- » Environmentally friendly construction with 0% ozone-depleting components and HFC free
- » Approved in FM Very Severe Hail (VSH) roofing assemblies
- » 8 fastener FM 1-90 rating with standard plates and fasteners



#### **InsulBase**

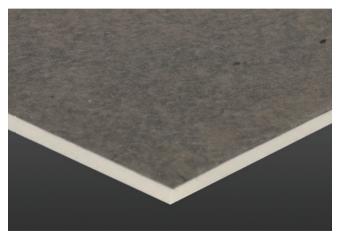
A rigid roof insulation panel composed of a closed-cell polyisocyanurate foam core bonded to **glass-reinforced felt (GRF) facers.** UL and FM approved for direct application over steel decks, polyiso provides the highest R-value per inch of any commercially available roof insulation product.



#### **StormBase**

A rigid roof insulation composite panel composed of a closed-cell polyisocyanurate foam core bonded to a **glass-reinforced felt (GRF) facer** on one side and 7/16" oriented strand board (OSB) on the other.





## InsulBase HD

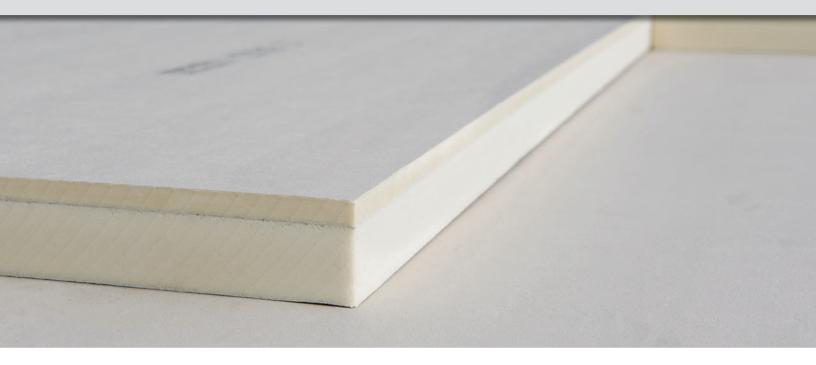
A rigid roof insulation panel composed of ½" high-density, closed-cell polyisocyanurate foam core bonded to glass-reinforced felt (GRF) facers specifically designed to be used as a cover board in mechanically-fastened or induction-welded systems only. Provides 5 times the R-value at one-fifth the weight of traditional gypsum cover boards



## **InsulBase NH**

A Living Building Challenge (LBC) "Red List Free" rigid roof insulation panel composed of a closed-cell polyisocyanurate foam core bonded to the appropriate facer. InsulBase NH and SecurShield NH contain **zero halogenated flame retardants**.

# SecurShield® with ReadyFlash® Technology -



## **SecurShield – Enhanced Performance**

Enhanced performance through superior moisture resistance. The coated glass facer (CGF) is compatible with all membranes, adhesives, and ideal for use with adhered membranes. Offering increased resistance to foot traffic, hail, wind uplift and fire, the SecurShield family of products offer the **best value** in Polyiso insulation for low-slope commercial rooftop applications.



#### SecurShield®

A rigid roof insulation panel composed of a closed-cell polyisocyanurate foam core bonded to high performance **coated glass facers (CGF)**. Ideal for use in adhered membrane systems.



#### SecurShield HD

A rigid roof insulation panel composed of ½" high-density, closed-cell polyisocyanurate foam core bonded to a premium performance coated glass facer (CGF) specifically designed for use as a **cover board**. Provides 5 times the R-value at one-fifth the weight of traditional gypsum cover boards.



#### SecurShield HD Plus

A rigid roof insulation panel composed of a ½" high-density, closed-cell polyisocyanurate foam core bonded to a premium performance coated glass facer (CGF) specifically designed for use as a **cover board**. Enhanced performance of the HD Plus product provides a **FM 1-90 wind uplift rating with only 8 fasteners**.

# **Enhanced Performance**



## **SecurShield HD Composite**

A unique composite insulation panel comprised of a ½" high-density polyiso cover board bonded during the manufacturing process to SecurShield rigid polyiso roof insulation. Eliminates the need for a separate cover board, reduces inter-ply adhesives and saves labor on the roof. A single product solution.



#### SecurShield NH

A Living Building Challenge (LBC) "Red List Free" rigid roof insulation panel composed of a closed-cell polyisocyanurate foam core bonded to the appropriate facer. InsulBase NH and SecurShield NH contains zero halogenated flame retardants.

# **ReadyFlash Technology**

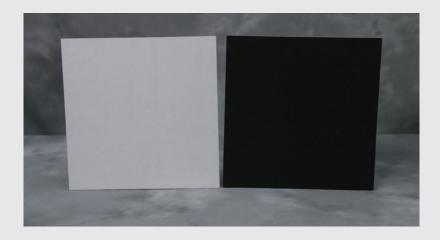
ReadyFlash Technology allows applicators to manage adhesive flash-off times by choosing between two different-colored facers on every board. ReadyFlash products feature a dark-colored coated glass facer (CGF) on one side of the insulation board and a light-colored CGF on the other.



Utilizing the sun's energy, the dark facer accelerates adhesive flash-off, while the light facer slows it down. Applicators can choose which side of the board to use, helping to offset environmental variables affecting adhesive flash-off; such as temperature, sunlight, humidity, wind speed, size of crew, current pace, and time of day.

ReadyFlash Technology benefits:

- » Allows the applicator to speed up or slow down adhesive flash-off time
- » Increases surface temperature of the dark facer up to 50°F (28°C) above ambient temperature
- » Decreases surface temperature of the light facer up to 10°F (6°C) below ambient temperature
- » Provides up to 4x faster adhesive flash-off when utilizing the dark facer



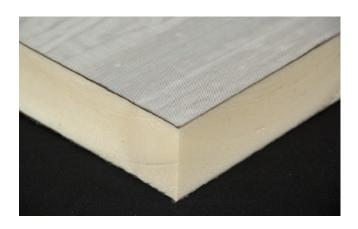
# RapidLock Technology

# Revolutionary Membrane Attachment Method



Carlisle's RapidLock (RL®) Roofing System is a revolutionary membrane attachment method that provides a fully adhered system without the use of adhesives. The RL system utilizes VELCRO® Brand Securable Solutions along with FleeceBACK RL EPDM, FleeceBACK RL TPO, or FleeceBACK RL PVC to achieve performance on par with traditional fully adhered single-ply systems. Underlayment options include InsulBase RL, SecurShield RL, and SecurShield HD RL Polyiso. The RL system is VOC- and odor-free, has no bottom-end application temperature restrictions, and provides significant rooftop labor savings due to its ease of installation.

# RapidLock



#### RAPIDLOCK MEMBRANE

- » FleeceBACK RL EPDM
- » FleeceBACK RL TPO
- » FleeceBACK RL PVC

#### RAPIDLOCK INSULATION

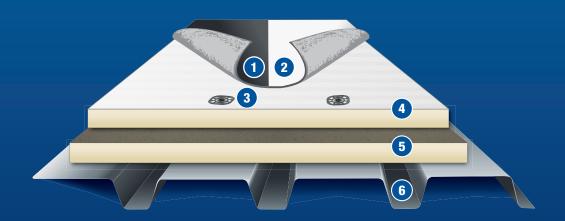
- » InsulBase RL
- » SecurShield RL
- » SecurShield HD RL

## SYSTEM FEATURES AND BENEFITS

- » No application temperature restrictions
- » VOC- and odor-free
- » Adhesive-less system saves time and labor
- » Integrated slip sheet lightly adhered to FleeceBACK for ease of installation
- » Factory Mutual wind uplift ratings similar to traditional fully adhered FleeceBACK systems
- » Excellent resistance to hail and punctures



## FLEECEBACK RL RAPIDLOCK ROOFING SYSTEM



- 1. FleeceBACK RL EPDM Membrane with RapidLock Technology
- 2. FleeceBACK RL TPO or FleeceBACK RL PVC Membrane with RapidLock Technology
- 3. Insulation Fasteners and Plates
- 4. InsulBase RL or SecurShield RL Polyiso with RapidLock Technology
- 5. InsulBase or SecurShield Polyiso
- 6. Steel Deck

# Engineered for **Positive Roof Drainage**

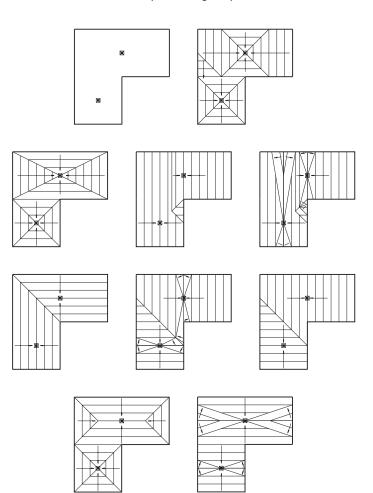


#### TAPERED SYSTEMS

## **StormFlow Technology**

Buildings with poor roof drainage may experience issues that can compromise their long-term performance. A properly designed tapered insulation system can help to minimize the detrimental effects of ponding water while providing the required R-value and reducing energy consumption.

Carlisle can offer recommendations that address each building's unique requirements while increasing energy-efficiency and ensuring positive drainage. Carlisle's tapered design experts have over 100 years of collective experience and can provide a 24-hour turnaround on most tapered design requests.



#### TAPERED INSULATION OPTIONS

## **Tapered Polyiso**

A sloped, rigid roof insulation panel composed of a closed-cell polyisocyanurate foam core bonded to a coated glass or fiber-reinforced facer. Designed to promote positive drainage and prevent ponding water.

# Pre-Cut Hips and Valleys

For use in tapered polyiso systems, Carlisle's Pre-Cut Hips and Valleys arrive ready to install and require no field cuts, saving time and labor. Custom-designed to meet job requirements, including slope and thickness, with no waste.

## **Hinged Target Sumps**

Designed for use in tapered polyiso systems, Carlisle's Hinged Target Sumps arrive ready to install, saving valuable time on the roof. Concentric circles simplify drain cutout. Multiple thicknesses and slopes are available to accommodate specific job conditions with no waste.

# Classifications, Cover Board, and Insulatio

## ASTM C1289 POLYISO ROOFING INSULATION CLASSIFICATIONS

	Type II		Type V
			OSB on one side with reinforced felt or glass fiber mat on the other side
Class 1 Glass reinforced felt (GRF) facers on both sides	Class 2 Coated glass (CGF) facers on both sides	Class 4 Coated glass (CGF) facers on both sides (½" max thickness)	
Available in: Grade 2 (20 PSI) Grade 3 (25 PSI)	Available in: Grade 2 (20 PSI) Grade 3 (25 PSI)	Available in: Grade 1 (80 PSI min, 109 PSI max)	Available in: Grade 2 (20 PSI)
InsulBase POLYISO InsulBase POLYISO Tapered Insulation InsulBase NH POLYISO Insulation InsulBase RL POLYISO RapidLock Insulation InsulBase HD POLYISO InsulBase HD POLYISO	SecurShield POLYISO   Insulation     SecurShield POLYISO   Tapered Insulation     SecurShield NH POLYISO   Insulation     SecurShield RL POLYISO   RapidLock (RL) Insulation     SecurShield HD Composite POLYISO   Insulation	SecurShield HD POLYISO   Insulation     SecurShield HD Plus POLYISO   Insulation     SecurShield HD RL' POLYISO   RapidLock Insulation     SecurShield HD Composite POLYISO   Insulation	StormBase POLYISO

# n Options

## **COVER BOARD OPTIONS**

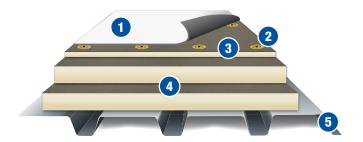
High-Density Polyisocyanurate Cover Boards				
Cover Board	Thickness	Direct Membrane Attachment		
InsulBase HD	1/2"	Mechanically-Fastened		
SecurShield HD	1/2"	Mechanically-Fastened Fully-Adhered		
SecurShield HD Plus	1/2"	Fully-Adhered		
SecurShield HD RL	1/2"	Hook & Loop		

## **INSULATION OPTIONS**

Polyisocyanurate Insulation Glass-Reinforced Felt (GRF) Facers					
Insulation	Thickness	Direct Membrane Attachment			
InsulBase	$\frac{1}{2}$ " – $4\frac{1}{2}$ " (available in taper)	Fully-Adhered Mechanically-Fastened Ballasted			
InsulBase NH	$\frac{1}{2}$ " – $4\frac{1}{2}$ " (available in taper)	Fully-Adhered Mechanically-Fastened Ballasted			
InsulBase RL	2", 2.6"	Hook & Loop			
Polyisocyanurate Insulation Coa	ted Glass Facers (CGF)				
SecurShield	½" – 4½" (available in taper)	Fully-Adhered Mechanically-Fastened Ballasted			
SecurShield NH	½" – 4½" (available in taper)	Fully-Adhered Mechanically-Fastened Ballasted			
SecurShield RL	2", 2.6"	Hook & Loop			
Composite Polyiso					
SecurShield HD Composite	1½" to 4½"	Fully-Adhered Mechanically-Fastened			

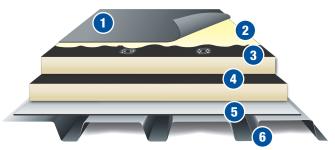
# Typical Applications

### **InsulBase HD Polyiso Insulation**



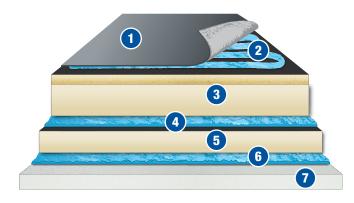
- 1. Carlisle Mechanically Fastened TPO Membrane
- 2. Induction Welded Plates with Fasteners
- 3. 1/2" InsulBase HD
- 4. 2 Layers of InsulBase Polyiso Insulation
- 5. Metal Deck

## SecurShield Polyiso Insulation with ReadyFlash Technology



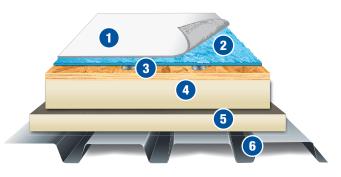
- 1. Carlisle Adhered EPDM Membrane
- 2. Carlisle Bonding Adhesive
- 3. Insulation Fasteners and Plates
- 4. 2 Layers of SecurShield Polyiso Insulation with ReadyFlash Technology
- 5. VapAir Seal™ MD
- 6. Metal Deck

## **SecurShield HD Composite**



- 1. Carlisle Adhered EPDM FleeceBACK Membrane
- 2. Flexible FAST<sup>™</sup> Adhesive
- 3. SecurShield HD Composite Polyiso Insulation
- 4. Flexible FAST Adhesive
- 5. SecurShield Polyiso Insulation with ReadyFlash Technology
- 6. Flexible FAST Adhesive
- 7. Concrete Deck

## **StormBase Polyiso Insulation**



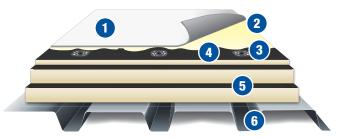
- 1. Carlisle Adhered TPO FleeceBACK Membrane
- 2. Flexible FAST Adhesive
- 3. Insulation Plates and Fasteners
- 4. StormBase Polyiso Insulation
- 5. InsulBase Polyiso Insulation
- 6. Metal Deck

#### **Wood Deck**



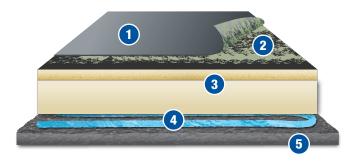
- 1. Carlisle Mechanically Fastened TPO Membrane
- 2. Piranha Plates
- 3. Insulation Fasteners and Plates
- 4. 1" SecurShield Polyiso Insulation with ReadyFlash Technology
- 5. Wood Deck

# SecurShield HD Polyiso Insulation with ReadyFlash Technology



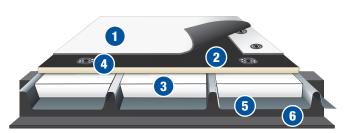
- 1. Carlisle Adhered PVC Membrane
- 2. Low-VOC PVC Bonding Adhesive
- 3. Insulation Fasteners and Plates
- 4. ½" SecurShield HD Polyiso Insulation with ReadyFlash Technology
- 5. Base layers of SecurShield Polyiso with ReadyFlash Technology
- 6. Metal Deck

## **Gravel BUR Recover**



- 1. Carlisle Adhered EPDM Membrane
- 2. CAV-GRIP® III Spray Adhesive
- 3. SecurShield HD Composite Polyiso Insulation
- 4. Flexible FAST Adhesive
- 5. Existing Gravel BUR System

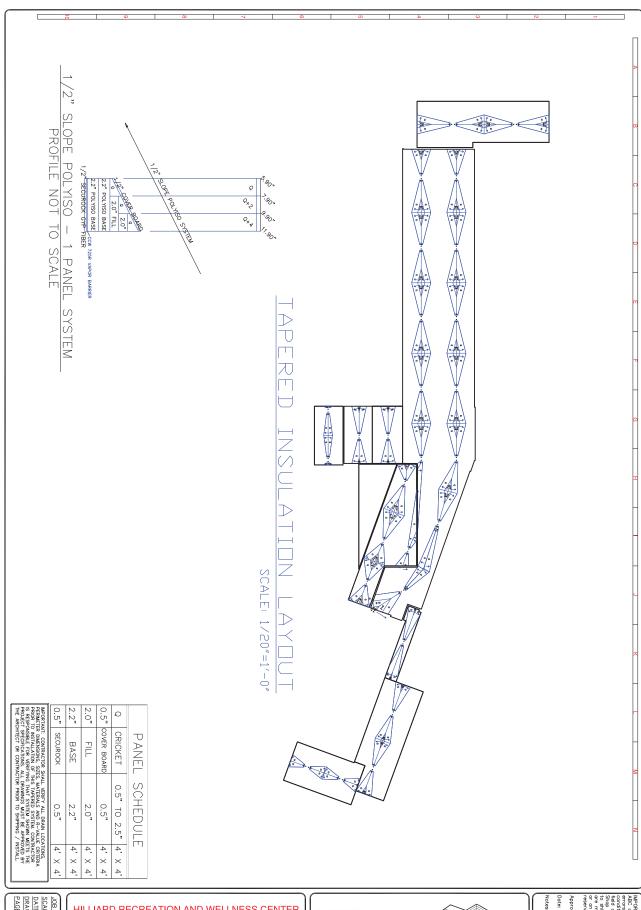
## **Polyiso Insulation Over Flute Fill**



- 1. Carlisle Mechanically Fastened TPO Membrane
- 2. Piranha Plates
- 3. Insulation Fasteners and Plates
- 4. ½" SecurShield HD Polyiso Insulation with ReadyFlash Technology
- 5. Flute Fill Insulation
- 6. Existing Metal Roof

## EXPERIENCE THE CARLISLE DIFFERENCE





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	55-A3	-875	-135	): DA	JOB NO: DA-135-8755-A3

HILLIARD RECREATION AND WELLNESS CENTER LOCATION: HILLIARD, OH
CONTRACTOR: HITTLE ROOFING INC ARCHITECT: MATERIAL: POLYISO-20 PSI-CGF TAPER SLOPE: N/A CRICKET SLOPE: 1/2"/FT BASE: 2.2" (4' X 4')

OVERLAY: 1/2" SECURSHIELD HD PLUS FILL: 2.0" (4' X 4')
MINIMUM R: 25.00



TAPERED SOLUTIONS 530 JAMES STREET LAKEWOOD, NJ 08701 PHONE: 888-827-3733 FAX: 732-730-9450

Marget Matt. As a supplier of materials, AEC assumes no responsibility for errors in design, espineering, or field conditions. Contractor must verify all field dimensions, drain locations, etc. Shop drawings must be approved prior to shipment of materials. If any changes are made in the job cafferd sown here or on the original quote form, ABC reserves right to resubmit bid.



# SecurShield HD Plus POLYISO Insulation





#### **Overview**

Carlisle's SecurShield HD Plus Polyiso Insulation is an FM-approved, ½"-thick, high-density polyiso insulation panel specifically designed for use as a cover board in fully adhered systems. Suitable for both re-roofing and new construction applications, this product is manufactured on-line using premium-performance coated glass facers (CGF). SecurShield HD Plus delivers an R-value of 2.5, which is significantly higher than roof cover boards made with other materials such as wood fiber or gypsum.

#### **Features and Benefits**

- » Industry-leading 8 fasteners per 4' x 8' board needed to meet Factory Mutual (FM) 1-90
- » Exceptional protection against hail, rooftop traffic, mold, and moisture
- » High-density formulation achieves FM severe hail rating (SH)
- » 5 times higher R-value and 1/5 than the weight of gypsum cover boards
- » 2 times higher R-value than wood fiber boards
- » Lightweight and easy to cut, handle, and install
- » Can be installed in corners and perimeters per FM requirements
- » Coated glass facer provides strong bond for adhered roofing applications



## Sustainable Attributes

Carlisle SynTec Systems' focus has always been innovation - Innovation to solve problems, improve performance, reduce labor, and above all, improve sustainability. Carlisle is committed to driving sustainable and efficient processes in the design and manufacturing of our products.

- » Highest R-value per inch providing maximum energy savings and CO<sup>2</sup> emissions avoidance
- » PIMA Quality Mark(CM) Certification Program participant for Long-Term Thermal R-values (LTTR)
- » CDPH Compliant for maximum allowable concentrations of target VOCs
- » Carlisle Polyiso Roof Insulation and HD Cover Board EPDs available
- » Contributes to LEED® and Green Globes certification requirements
- » End-of-life jobsite disposal options are available for re-use/re-purposing
- » HFC- and HCFC-free formulation

#### Installation

#### Mechanically Attached Single-Ply Systems

Each SecurShield HD Plus panel must be secured to the substrate with approved Carlisle fasteners and plates. Butt edges and stagger joints of adjacent panels. Install the roof membrane according to Carlisle specifications.

### **Fully Adhered Single-Ply Systems**

SecurShield HD Plus may be secured to the roof deck using Carlisle's Flexible FAST™ Adhesive, fasteners and plates. For adhesive coverage or fastening patterns and requirements, please contact Carlisle's Design Services group. Butt the edges of the insulation panels and stagger the joints. Be certain to install boards with the proper side down, as indicated on each board. Install the membrane according to Carlisle specifications.

Review Carlisle specifications and details for complete installation information.



# |SecurShield HD Plus POLYISO Insulation

#### **Precautions**

Insulation must be protected from open flame and kept dry at all times. Install only as much insulation as can be covered the same day by completed roof-covering material. SecurShield HD Plus is not compatible with hot mop asphalt or ballasted systems. Carlisle will not be responsible for specific building and roof design, for deficiencies in construction or workmanship, for dangerous conditions on the jobsite, or for improper storage and handling. Technical specifications shown in this literature are intended to be used as general guidelines only and are subject to change without notice. Call Carlisle for more specific details or refer to PIMA Technical Bulletin No. 109: Storage and Handling Recommendations for Polyiso Roof Insulation.

#### **Code and Compliances**

- ASTM C1289, Type II, Class 4, Grade 1 (109 psi max.)
- International Building Code (IBC) Section 2603
- UL Standard 790, 263 and 1256: Component of Class A Roof Systems (refer to UL Roof Materials' system directory)
- FM Standards 4450/4470: Class 1 approval for steel roof-deck constructions (refer to FM RoofNav)
- California Codes of Regulations, Title 24, Insulation Quality Standard License #TI-1418
- CAN/ULC S704, Type 3, Class 2
- Florida Building Code Approval

Typical Proper	ties and Char	acteristics
Physical Property	Test Method	Value
Compressive Strength	ASTM D1621	109 psi max
Dimensional Stability	ASTM D2126	<0.5% linear change (7 days)
Water Absorption	ASTM C209	<1% volume
R-value	ASTM C518	2.5
Thickness		½" (13 mm)
Panel Thickness		½" (13 mm)
Panel sizes		4' x 8' (1220 mm x 2440 mm) 4' x 4' (1220 mm x 1220 mm)
Weight		13 lbs (5.9 kg) per 4' x 8' panel 6.5 lbs (2.9 kg) per 4' x 4' panel
Service Temperature		260°F (126°C) or less
Resistance to Mold	ASTM D3273	Passed

Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.

LEED Information	
Pre-consumer Recycled Content	9%
Post-consumer Recycled Content	0%
Manufacturing Location	Smithfield, PA Franklin Park, IL Tooele, UT
Solar Reflectance Index (SRI)	N/A



Foamed plastic as roof deck construction material with resistance to an internal fire exposure only for use in construction no.(s) 120 and 123. See UL Directory of Products Certified for Canada and UL Roofing Materials and Systems Directory, 99DL



800-479-6832  $\mid$  P.O. Box 7000  $\mid$  Carlisle, PA 17013  $\mid$  Fax: 717-245-7053  $\mid$  www.carlislesyntec.com Page 139 of 149 Carlisle, SecurShield and FAST are trademarks of Carlisle.



# Sure-Seal® EPDM Dusted Non-Reinforced Membranes



#### **Overview**

Carlisle's Sure-Seal EPDM Dusted Non-Reinforced membranes are available in thicknesses of 45-mil (1.14 mm) and 60-mil (1.52 mm), widths of up to 50' (15 m), and lengths of up to 200' (60 m). Ideal for new construction and re-roofing applications, this membrane is available in a Fire Retardant (FR) version that is specially formulated to inhibit the spread of flame and meet or exceed code body testing criteria for fire-retardant roofing membranes.

#### **Features and Benefits**

- » Carlisle EPDM has 50 years of proven performance and industryleading resistance to weathering, with 41,580 kJ/m² total radiant exposure without cracking or crazing
- » Factory-Applied Tape™ seam technology and a full line of Pressure-Sensitive flashing accessories enhance workmanship quality
- » Dark-colored EPDM is the smart choice in colder climates:
  - Reduces heating costs, which are generally 3-5 times greater than air conditioning costs
  - Reduces carbon footprint by lowering heating costs
  - Reduces safety hazards from snow and ice accumulation
  - Reduces hazardous conditions caused by frost, dew, and ice
  - Reduces the potential for condensation problems
- » Life Cycle Assessment using EPA's TRACI model analyzed EPDM, TPO, PVC and Modified Bitumen:
  - EPDM had the lowest global warming potential
  - EPDM had the lowest acid rain impact
  - EPDM had the lowest contribution to smog

- » Numerous studies and real-world experience confirm that Sure-Seal EPDM's 465% elongation and weathering resistance result in superior hail damage resistance (UL 2218 Class 4 Rating)
- » EPDM is the most dimensionally stable, heat-resistant membrane, and stays flexible even in extremely cold conditions down to -40°F (-40°C): see flexibility/torsion DMA data
- » Wide array of design choices that are UL Classified and FM Approved
- » Industry-leading 15-, 20-, and 25-year warranties are available
- Carlisle manufactures all the major components of a typical roofing system, including membrane, flashings, tapes, adhesives, sealants, insulations, and insulating cover boards

#### Carlisle's Factory-Applied Tape Seam Technology

The Factory-Applied Tape process results in a reliable seam with no entrapped air bubbles. Consistent placement of the Factory-Applied Tape maximizes the splice area resulting in a high-quality seam. Factory-Applied Tape has a shelf life of one year.

### **Productivity Boosting Features and Benefits:**

- » With Carlisle's Factory-Applied Tape, most of the labor to create seams between membrane panels is completed in a quality-controlled, state-of-the-art environment
- » Factory-Applied Tape is available on all Sure-Seal membranes up to 30' (9 m) in width, providing the fastest way to complete a seam in today's roofing market
- Wider sheets like 16.5', 20', and 25' reduce the frequency of seams compared to 10'-wide sheets

#### Installation

Sure-Seal 45-mil (1.14 mm) and 60-mil (1.52 mm) membranes are typically utilized in Design A: Fully Adhered (60-mil only), Design B: Ballasted, and Design C: Loose-Laid Protected roofing systems. Stagger factory seams to avoid a double thickness of membrane in the splice area.

### For Design A: Fully Adhered Roofing System

Insulation is mechanically attached or adhered to the roof deck. The substrate and membrane are coated with the appropriate Carlisle bonding adhesive. The membrane is then rolled into place and broomed down. To complete seams between two adjoining membrane panels, apply primer to the splice area in conjunction with Carlisle's Factory-Applied Tape. As an alternative, Carlisle's hand-applied SecurTAPE $^{\text{TM}}$  may be used.



# Sure-Seal EPDM **Dusted Non-Reinforced Membranes**

#### For Design B: Ballasted Roofing System

Insulation is loose-laid over the roof deck. Membrane is loose-laid over the insulation with staggered factory seams and secured with a minimum 10 lbs (4.5 kg) of ballast per square foot. Design C is a similar system with the insulation installed on top of the membrane. To complete seams between two adjoining membrane panels, apply primer to the splice area in conjunction with Carlisle's Factory-Applied Tape. As an alternative, Carlisle's hand-applied SecurTAPE may be used.

#### Follow these steps for splicing in temperatures below 40°F (5°C):

- Heat the primed area of the bottom membrane with a hot-air gun as the top sheet with Factory-Applied Tape is applied and pressed into place.
- Prior to rolling the splice area with a 2"-wide steel hand roller, apply heat to the top side of the membrane with a hot-air gun. The heated surface should be hot to the touch. Be careful not to burn or blister the membrane.

Review Carlisle specifications and details for complete installation information.

#### **Precautions**

- Use proper stacking procedures to ensure sufficient stability of the materials.
- Exercise caution when walking on wet membrane. Membranes are slippery when wet.
- Membranes with Factory-Applied Tape should not be exposed to prolonged jobsite storage temperatures in excess of 90°F (32°C), otherwise the shelf life of the tape may be affected.
- When membranes with Factory-Applied Tape are used in warm, sunny weather, shade the tape end of the rolls until ready to use.
- Stagger factory seams to avoid a double thickness of membrane.
- Carlisle Factory-Applied Tape has a shelf life of one year.

LEED® Information	
Pre-consumer Recycled Content	5%
Post-consumer Recycled Content	0%
Manufacturing Locations	Carlisle, PA Greenville, IL
Solar Reflectance Index	9
Corporate Sustainability Report	Yes

Dhysical Dranasts	Test	SPEC.	Typical		
Physical Property	Method	(PASS)	45-mil	60-mil	
Tolerance on Nominal Thickness, %	ASTM D412	±10	±10	±10	
Weight, lbm/ft2 (kg/m2)			0.29 (1.4)	0.39 (1.9)	
Tensile Strength, min, psi (MPa)	ASTM D412	1305 (9)	1600 (11.0)	1600 (11.0)	
Elongation, Ultimate, min, %	ASTM D412	300	480	465	
Tear Strength, min, lbf/in (kN/m)	ASTM D624 (Die C)	150 (26.3)	200 (35.0)	200 (35.0)	
Factory Seam Strength, min	Modified ASTM D816	Membrane Rupture	Membrane Rupture	Membrane Rupture	
Resistance to Heat Aging* Properties after 28 days @ 240°F (116°C) Tensile Strength, min, psi (MPa) Elongation, Ultimate, min, % Tear Strength, min, Ibf/in (kN/m) Linear Dimensional Change, max, %	ASTM D412 ASTM D412 ASTM D412 ASTM D624 ASTM D1204	1205 (8.3) 200 125 (21.9) ±1.0	1500 (10.3) 225 215 (37.6) -0.4	1450 (10.0) 280 215 (37.6) -0.50	
Ozone Resistance* Condition after exposure to 100 pphm Ozone in air for 168 hours @ 104°F (40°C) Specimen is at 50% strain	ASTM D1149	No Cracks	No Cracks	No Cracks	
Brittleness Temp., max, °F (°C)*	ASTM D746	-49 (-45)	-49 (-45)	-49 (-45)	
Resistance to Water Absorption* After 7 days immersion @ 158°F (70°C) Change in mass, max, %	ASTM D471	+8, -2	+2.0	+2.0	
Water Vapor Permeance* Max, perms	ASTM E96 (Proc. B or BW)	0.10	0.05	0.03	
Flexibility/Torsion DMA	ASTM D5279-08	N/A	225 MPa @ -40°F	225 MPa @ -40°F	
Fungi Resistance	ASTM G21	N/A	0 (No Growth)	0 (No Growth)	
Resistance to Outdoor (Ultraviolet) Weathering* Xenon-Arc, total radiant exposure at 0.70 W/m² irradiance, 80°C black panel temperature	ASTM G155	No Cracks No Crazing 7,560 kJ/m <sup>2</sup> 3,000 hrs	No Cracks No Crazing 41,580 kJ/m <sup>2</sup> 16,500 hrs	No Cracks No Crazing 41,580 kJ/m 16,500 hrs	
At 0.35 W/m² irradiance, 80°C black panel temperature		6,000 hrs	33,000 hrs	33,000 hrs	

\*Not a quality control test due to the time required for the test or the complexity of the test. However, all tests are run on a statistical basis to ensure overall long-term performance of the sheeting.

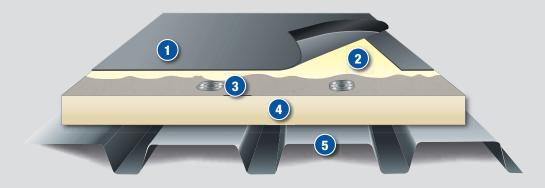
Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.

Note: Sure-Seal Dusted Non-Reinforced EPDM membrane meets or exceeds the minimum requirements set forth by ASTM D4637 for Type I non-reinforced EPDM single-ply roofing membranes

| P.O. Box 7000 | Carlisle, PA 17013 | Fax: 717-245-7053 | www.carlislesyntec.com Page 141 of 149



# Sure-Seal EPDM Fully-Adhered Roofing Systems



- Sure-Seal Membrane with Factory-Applied Tape (FAT™)
- 2 Carlisle Bonding Adhesive
- 3 Carlisle Fasteners and Plates
- 4 Acceptable Insulation
- 5 Approved Roof Deck

# Sure-Seal EPDM Membranes for fully adhered roofing systems are available in the following:

Color	Black
Thicknesses (mils)	45, 60 and 90
Standard Widths	10' – 30'
Standard Lengths	50' – 100'

## System Features & Benefits:

- » Over 50 years of proven performance
- » In colder climates, dark-colored EPDM reduces heating costs, which are generally 3-5 times greater than cooling costs
- » Industry leading UV resistance of 41,580 kJ/m²
- » Full thickness of weathering material, no internal scrim
- » 465% elongation results in superior hail damage resistance
- » Lowest global warming potential, acid rain and smog impact according to EPA's TRACI model

			New Con	struction			F	Re-roofin	g
Existing or New Deck Type	Steel	Plywood or OSB	Lt. Wt. Concrete	Structural Concrete	Wood Planks	Gypsum & Fibrous Cement	Smooth Surface BUR	Gravel Surfaced BUR	Existing Single-Ply
Insulation Required	Yes	No	*Refer to Specs	No	Yes	Yes	No	Yes	Yes
Recommended Insulations	Carlisle Polyiso, OSB or SecurShield™ HD Cover Board over Polystyrene				<b>←</b>	Refer to New Co	onstruction		
Insulation Attached By	FAST™ Adhesive (non-penetrating) or Carlisle Fasteners and Plates			<b>←</b>	Refer to New Co	onstruction			
Membrane Attached By		С	arlisle-Approved	Bonding Adhesiv	е		<b>←</b>	Refer to New Co	onstruction

FOR TEAR OFF OPTIONS REFER TO NEW CONSTRUCTION ABOVE.

For current code approvals, warranties and specifications and details, visit Carlisle's web site or contact Project Review.

<sup>\*</sup> Refer to Carlisle's Adhered Design Criteria portion of the current specification for requirements.



# Sure-Seal® EPDM Fully-Adhered Roofing Systems

#### Installation

Carlisle's fully adhered roofing system utilizes 45-, 60- and 90-mil Sure-Seal non-reinforced or 45-, 60- and 75-mil Sure-Tough™ reinforced membranes.

Insulation is either mechanically fastened to the roof deck every two square feet, adhered with FAST Adhesive or other Carlisle approved insulation adhesive. Membrane is adhered to the insulation with Carlisle Approved Bonding Adhesive. Adjoining sheets of EPDM are spliced together a minimum of 3" using Carlisle's SecurTAPE™ or FAT™ seam technology.

The above information represents a typical Carlisle fully adhered roofing system. Refer to Carlisle's published specifications and details for more complete information.

#### **Membrane and System Strengths**

- » Carlisle manufactures all major components of the roof system
- » Dimensionally stable in both hot and cold climates
- » No slope restrictions
- » Lightweight assembly for a variety of decks
- » Reduces carbon footprint by lowering heating costs
- » Reduces safety hazard from snow and ice accumulation
- » Reduces hazardous rooftop conditions from frost, dew, or ice that are difficult to see on white membrane
- » Reduces potential condensation problems that can erode system performance
- » FAT Seam Technology and Pressure-Sensitive Flashing accessories enhance workmanship quality
- » 45-mil, 60-mil and 90-mil Sure-Seal membranes available for 15-, 25- and 30-year system warranties
- » Available in 10', 16½', 20', 25' and 30' widths. These widths of non-reinforced Sure-Seal membrane reduce splices between sheets
- » Using Sure-Tough reinforced membrane increases puncture resistance and tolerates heavy foot traffic
- » Carlisle's Fully Adhered Roof System offers design flexibility, addresses unconventional building configurations, and conforms to steeply sloped roof designs
- » Zero (no growth) rating for fungal growth

#### **System Codes**

- » UL Class A and B ratings are available over most deck types
- » FM uplift ratings up to 1-120 are available

For code specifics, refer to Carlisle's Code Approval Guide.

#### **Quality Assurance**

Carlisle Authorized Applicators have been trained to install fully adhered roofing systems.

#### Inspection

Upon installation completion, and prior to the issuance of a membrane system warrranty, an inspection will be conducted by a Carlisle Technical Representative.

## Warranty

Consult your Authorized Applicator or Carlisle Manufacturer's Representative/Distributor for associated warranty charges.

This system properly installed and inspected on a commercial project may receive:

- » A 10-, 15-, 20-, 25- or 30-year (75-mil or 90-mil required) Golden Seal™ Total System Warranty may be requested when all materials used for the roofing installation are manufactured or marketed by Carlisle. A maximum peak gust wind speed coverage of 55 miles per hour is standard. Additional coverage up to 30 years and 120 mph is available.
- » A 1" hail warranty is available with 60-mil EPDM and a 2" hail warranty is available with 75-mil or 90-mil EPDM
- » A 40-year non-prorated ELITE membrane material warranty is available with 90-mil black EPDM
- » Warranty for systems incorporating Carlisle's Sure-Tough membrane include coverage for damage caused by accidental punctures

For more specifics or for international warranty programs, contact Carlisle.







# **USG SECUROCK® Gypsum-Fiber Roof Board**



#### **Overview**

USG SECUROCK Gypsum-Fiber Roof Board is a high-performance roof board for use in low-slope roofing systems. Its unique, fiber-reinforced, homogenous composition means the panel is strong and water-resistant all the way through to its core. USG SECUROCK Gypsum-Fiber Roof Board provides low absorption and an exceptional bond in adhered systems, and, because of its homogenous composition, achieves high wind uplift ratings with no risk of facer delamination. Made from 97% recycled material, USG SECUROCK Gypsum-Fiber Roof Board combines superior performance with sustainable design for single-ply roofing systems.

#### **Features and Benefits**

- » Exceptional bond and low absorption in adhered systems
- » Resistant to moisture and mold
- » Exceptional wind uplift performance
- » Manufactured from 97% recycled material
- » Provides protection from hail and foot traffic when adhered with insulation adhesive

#### Installation

 All board edges should be loosely abutted and never kicked in tight in typical installations. Please refer to the Typical Properties and Characteristics chart on page 2 to calculate the gap needed for your specific project (coefficient of thermal expansion and linear variation with change in moisture).

- Install approved fasteners with plates into the USG SECUROCK
  Gypsum-Fiber Roof Board, flush with the surface. Fasteners should be
  installed in strict compliance with Carlisle's specifications and details.
- Locate edge joints on, and parallel to, deck ribs. Stagger end joints of adjacent lengths of USG SECUROCK Gypsum-Fiber Roof Board.
- 4. Roof boards should never be installed when they are frozen.
- 5. See properties table for maximum flute span when panels are applied directly over metal decking.
- 6. For vertical parapet applications, only ½" or %"panels should be used. Maximum framing spacing is 24" o.c.
- Panel spacing may be needed based on factors like roof deck's size, membrane color, ultimate deck surface temperature and time of year the roof is installed.

Review Carlisle specifications and details for complete installation information.

#### **Precautions**

- » Consult Carlisle for specific instructions regarding the application of its products to USG SECUROCK Gypsum-Fiber Roof Board.
- » Keep USG SECUROCK Gypsum-Fiber Roof Board panels dry before, during, and after installation. USG SECUROCK Gypsum-Fiber Roof Board should not be installed in rain, heavy fog, or any other conditions that deposit moisture on the surface of the board. Apply only as much USG SECUROCK Gypsum-Fiber Roof Board as can be covered by the final roof membrane system on the same day. Avoid exposure to moisture from leaks or condensation.
- » For re-roof or re-cover applications, the existing roofing system must be dry throughout prior to application of USG SECUROCK Gypsum-Fiber Roof Board.
- » The plastic or poly packaging applied at the plant to protect the board during transit should be removed upon receipt to prevent condensation or trapping of moisture, which may cause application problems.
- » USG SECUROCK Gypsum-Fiber Roof Board should be stored flat, off the ground, protected from the weather. If stored outdoors, a breathable, waterproof covering should be used.
- » When applying solvent-based adhesives or primers, allow sufficient time for the solvent to evaporate to avoid damage to roofing components.



# **USG SECUROCK Gypsum-Fiber Roof Board**

### **Code Approvals**

- » Surface Burning Characteristics and Non-Combustibility in accordance with ASTM E84 (CAN/ULC-S102).
- » ½" and ½" thickness UL Class A in accordance with UL790 (CAN/ ULC-S107) (ASTM E108). See the UL Building Materials Directory for more information
- » %" thickness Meets requirements of Type X per ASTM C1278 and may be used in ULP series designs as a thermal barrier.
- » Meets FM Class 1 (FM 4450 and FM 4470).
- » Manufactured to conform to ASTM C1278, "Standard Specification for Fiber-Reinforced Gypsum Panel."

LEED® Information		
Pre-consumer Recycled Content	97%	
Post-consumer Recycled Content	0%	
Manufacturing Location	Bridgeport, AL Plaster City, CA Jacksonville, FL Sperry, IA East Chicago, IN Shoals, IN Baltimore, MD Southard, OK	Rainier, OR Aliquippa, PA Washingtonville, PA Galena Park, TX Sweetwater, TX Sigurd, UT Norfolk, VA
Solar Reflectance Index	N/A	

	1/4" (6.6 mm)	3/8" (19.5 mm)	½" (12.7 mm)	5/8" (15.9 mm)
Width, standard	4'	4'	4'	4'
	(1220 mm)	(1220 mm)	(1220 mm)	(1220 mm)
Length, standard	4' (1220 mm) and 8' (2440 mm)			
Pieces per unit (4' x 8' sheets)	50	40	30	24
Weight, nominal lbs./ unit (4' x 8' sheets)	2,575	2,575	2,725	2,525
Weight, nominal lbs./ sq. ft.	1.57	1.96	2.76	3.2
Flexural strength, parallel, lbs. min., per ASTM C 473	40	70	110	161
Compressive strength, psi nominal	1800	1800	1800	1800
Flute spanability per ASTM E 661	2-5/8"	5"	8"	10"
Permeance, perms, per ASTM E 96	30	26	26	24
R-Value per ASTM C 518	0.2	0.3	0.5	0.6
Coefficient of thermal expansion, inches/ inch • °F, per ASTM E 831	8.0 x 10 <sup>-6</sup>			
Linear variation with change in moisture, inches/inch • %RH, per ASTM D 1037	8.0 x 10 <sup>-6</sup>			
Water absorption, % max, per ASTM C 473	10	10	10	10
Surface water absorption, nominal grams, per ASTM C 473	1.6	1.6	1.6	1.6
Mold resistance per ASTM D 3273*	10	10	10	10
Bending radius	25'	25'	25'	30'

Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.

Corporation or its subsidiaries or affiliates. LEED is a registered trademark of the U.S. Green Building Council

\*ASTM D3273 Mold Resistance Testing - In independent lab tests conducted on SECUROCK Gypsum-Fiber roof board and SECUROCK Glass-Mat roof board at the time of manufacture per ASTM D3273 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber, both panels scored a 10. The ASTM lab test may not accurately represent the mold performance of building materials in actual use. Given unsuitable project conditions during storage, installation or after completion, any building material can be overwhelmed by mold. To manage the growth of mold, the best and most cost-effective strategy is to protect building products from water exposure during storage and installation and after completion of the building. This can be accomplished by using good design and construction practices.

800-479-6832 | P.O. Box 7000 | Carlisle, PA 17013 | Fax: 717-245-7053 | www.carlislesyntec.com
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# VapAir Seal<sup>™</sup> **725TR** Air and Vapor Barrier/Temporary Roof



#### **Overview**

Carlisle's VapAir Seal 725TR Air and Vapor Barrier/Temporary Roof is a 40-mil composite consisting of 35 mils of self-adhering rubberized asphalt laminated to a 5-mil woven polypropylene film. A one-piece silicone poly release liner is applied to the SBS adhesive to prevent the material from bonding to itself. VapAir Seal 725TR is available in a 325-square-foot roll with dimensions of 39" x 100'. The factory-controlled thickness of the membrane ensures uniform barrier properties on the job; the woven polypropylene film increases strength and has a non-skid surface suitable for the bonding of subsequent layers. Approved Carlisle adhesives for attaching insulation to VapAir Seal 725TR are:

- » Flexible FAST™ Adhesive
- » OlvBond 500™

VapAir Seal 725TR can be used on concrete, plywood, exterior gypsum, DensDeck® Prime, SECUROCK® or other approved substrates in conjunction with Carlisle SynTec roofing systems. Gypsum decks may require additional securement with mechanical fasteners. Use of CAV-GRIP™III Low-VOC Adhesive/Primer, CCW-702 or CCW-702LV is required on all substrates. VapAir Seal 725TR may be installed directly over a nailed Carlisle Modified Base Sheet when primed with CAV-GRIP III.

VapAir Seal 725TR must be covered with roofing membrane within 120 days. T-joints must be sealed with an internal bead of Carlisle Lap Sealant. Carlisle does not accept responsibility for the watertight integrity of the VapAir Seal 725TR related to workmanship issues or physical damage.

For unusual situations, contact the Project Review and Warranty Services Department prior to specifying this material.

#### Installation

Surface Preparation: The concrete surface shall be completely dry; dryness shall be determined by a qualified owner's representative. The surface shall have a smooth finish and be free of voids, spalled areas, sharp protrusions, loose aggregate, laitance and form-release agents. Some curing compounds may interfere with proper adhesion, so an adhesion test is recommended. In the event of rain, concrete must be allowed to dry before the application of primer. Artificial drying methods such as torches are not acceptable.

**Adhesive:** Surfaces to receive VapAir Seal 725TR must be clean and dry. Use of CAV-GRIP III, CCW-702 or CCW-702LV is required on all substrates. Approved Carlisle adhesives for attaching insulation to VapAir Seal 725TR are: Flexible FAST Adhesive and OlyBond 500.

Application: VapAir Seal 725TR material must be stored and kept above 60°F prior to installation. Apply VapAir Seal 725TR from low to high points in a shingle fashion so that the laps will shed water. Overlap all edges by at least 2". End laps should be staggered. Position the membrane carefully to avoid fish-mouths and wrinkles. Roll the VapAir Seal 725TR membrane immediately after installation with a 100 –150-pound roller wrapped in a resilient material. When the VapAir Seal 725TR is applied to a vertical surface, hand-rolling with a 2" or 4" hand roller is required. Vertical surfaces must be prepared in the same fashion as horizontal surfaces.

Note: For applications below 40°F – all materials must be kept above 60°F prior to installation and CAV-GRIP III Primer must be used.

**Seaming:** Apply a 2"-long bead of lap sealant internally along any T-joints or step-offs. Use a hand roller or stand-up seam roller to mate the entire seam together, ensuring the seam's leading edge is rolled properly. Be sure to pay particular attention to the T-joints and step-offs. If seam surface is contaminated, clean and prime with CCW-702, CCW-702LV, or CAV-GRIP III.

Review Carlisle specifications and details for complete installation information.



# VapAir Seal 725TR Air and Vapor Barrier/Temporary Roof

#### **Precautions**

- » Use proper stacking procedures to ensure sufficient stability of the materials.
- » Exercise caution when walking on wet membrane. Membranes are slippery when wet.
- » VapAir Seal 725TR must be clean and dry prior to installation of subsequent layers.
- » VapAir Seal 725TR should be installed using CAV-GRIP III adhesive when temperatures are below 40°F.
- » VapAir Seal 725TR membrane and primers must be stored above 60°F prior to installation.
- » Avoid moving or stacking heavy loads on the installed membrane, particularly in hot weather. This could thin out the self-adhering barrier layer.
- » Refer to applicable Safety Data Sheets before using any Carlisle products.
- » Do not apply CAV-GRIP III, CCW-702 or membrane to damp or contaminated surfaces.
- » Do not apply CAV-GRIP III, CCW-702 or membrane to frozen substrates.
- » Primers must be allowed to completely flash off. Refer to the primer PDS for flash-off times.

Typical Properties and Characteristics								
Physical Property	Test Method	Typical						
Thickness	ASTM D1970	40 mils						
Tensile Strength	ASTM D412	250 psi						
Elongation	ASTM D412	250%						
Peel Adhesion	ASTM D903	5 lbs/in						
Puncture Resistance	ASTM E154	60 lbs						
Permeability	ASTM D1970*	0.015 perms						
Air Permeance	ASTM E2178	0.000 L*m² @ 75 Pa						
Shelf Life	N/A	1 year						

Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.

\*D1970 is tested to E96 standards for permeability.

LEED® Information				
Pre-consumer Recycled Content	0%			
Post-consumer Recycled Content	0%			
Manufacturing Location	Terrell, TX			
VOC Content	0 g/L			
Solar Reflectance Index	N/A			

Packaging				
Product	725TR Air & Vapor Barrier/Temporary Roof			
Size/Weight	39" x 100' / 89 lbs			
Actual Coverage Rate	305 ft <sup>2</sup>			
Part Number	330170			

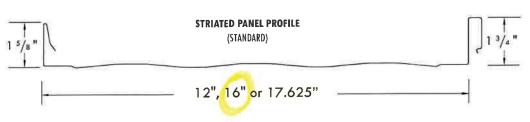




# **Hilliard Recreation and Wellness** Center

GMP Amendment #3 3/20/2023

# STANDING SEAM METAL ROOF SYSTEMS



ULTRA-LOCK UL20 is an architectural panel that is snapped together during installation. The panel is an engineered integral interlocking system by design that installs in one direction from a given starting point. Ultra-Lock is a very flexible panel design that works well with a wide range of building designs.

#### **Uses & Applications**

Product uses include roofs with slopes as low as 3:12, vertical fascia, equipment screens, mansards, and wall panels.

#### **Advantages**

- Optional Factory Applied Non-Curing Sealant for superior watertightness
- ·Engineered Snap-Together Design for easy installation
- ·Symmetrical Visual Aesthetics providing a non-directional appearance
- ·Clip allows for unlimited thermal expansion and contraction
- ·Continuous Interlocking Seam: no seam disengagement
- ·Continuous Roll formed Lengths: eliminates need for panel lap joints.
- ·Total System Warranties Available for total confidence

### Performance Tested

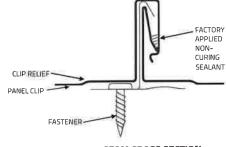
·UL-1897 Uplift Resistance ·UL-580 Wind Uplift

·UL-263 Fire Resistance

·ASTM E283 Air Infiltration ·ASTM E331 Water Penetration

·UL-790 Fire Rating

Please consult DMI for applicability of test reports for your project.



**SEAM CROSS SECTION** 



**UL20 PANEL CLIP** 

18 ga. galv. or stainless steel

800,828.1510 www.dmimetals.com sales@dmimetals.com

# **ULTRA-LOCK** UL20



Architect:				rchitect: tractor: tractor:			
Stiffener					J	OL	
	0				J	oL	
	ynaClad DF Color Chai		WHITE SRI = 85	COBALT BLUE			Panel Width O 12" O 16" O 18" (17.625")  Substrate O 24 ga. Galvalume® O 22 ga. Galvalume®
PUTTY SAI = 77	SANDSTONE SRI = 77	DOVE GREY SRI = 61	PATINA COPPER SAI = 58	BRITE RED* SRI = 44			O.032 Aluminum O.040 Aluminum
<b>BEIGE</b> SRI = 53	STONE SRI = 49	SLATE GREY SRI = 47	TERRA COTTA SRI = 43	METALLIC SILVER			Embossed: Consult DMI for minimum quantities, upcharges, set up fees and extended lead times  Standard Finishes
3n = 33		SH = 47				Colors **	O DynaClad® PVDF:  O Acrylic Coated Galvalume (Acrylume®)  Clear Anodized Aluminum
MUSKET GREY SRI = 35	SEAPORT SRI 35	COLONIAL RED	SLATE BLUE SRI = 34	CHAMPAGNE SRI = 51	Metallic Colors †	Premium Co	Premium Finishes* O DynaClad® Metallic PVDF: O DynaClad® Brite Red PVDF O DynaClad® Cobalt Blue PVDF O DynaClad® Standard Color PVDF w/ Clearcoat:
BURGUNDY SRI = 34	HEMLOCK GREEN SRI = 31	LEAF GREEN SRI = 31	CHARCOAL GREY SAI = 31	METALLIC COPPER SRI = 49	Ä		<ul> <li>DynaClad® Metallic Color PVDF w/ Clearcoat:</li> <li>Custom Color:</li></ul>
SPARTAN BRONZE SRI = 30	CLASSIC BRONZE SRI = 29	MATTE BLACK SRI = 29	EVERGREEN SRI = 28	AGED COPPER SRI = 43			Finish  O DynaClad® Paint Finish  Galvalume® 20 Year - 6 Month (Substrate)  O Aluminum Sheet 2 Year (Substrate)
DARK BRONZE SRI = 27  Custom Colors	ROYAL BLUE SRI = 27  Available	HARTFORD GREEN SRI = 26	BROWN SRI = 25	WEATHERED ZINC SRI = 37			Watertight  ○ DynaClad® Metal Roofing System: ○ DynaClad® Metal Roofing System NDL:

Colors shown are samples and may vary slightly from actual material.

Please consult DMI Color Chart for stocking color availability;

 $\dagger$ Metallic colors are directionally sensitive and therefore entire roof areas should be ordered at once time to ensure uniformity.

\*Brite Red has a clear coat. \*\*Premium colors carry an upcharge.

Since 1988 Dimensional Metals, Inc. (DMI) has specialized in the manufacturing of architectural metal roof and wall panel systems as well as fabricated architectural sheet metal for the construction industry. We are backed by decades of proven metal envelope design, dependable Technical Field Services, and an Engineering Department delivering sustainable solutions. You are sure to find the product that will best enhance your design.

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